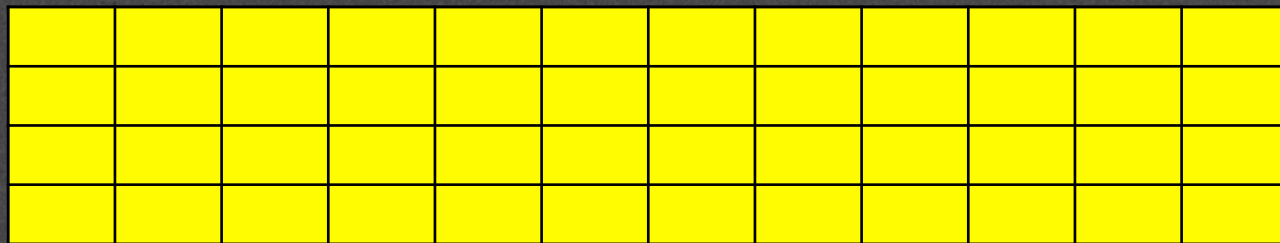


# Bootstrap 3 Grid System

## It's not a table....

- The Bootstrap layout is based on a 12 column grid



~~12 columns = 100%~~



# Grid classes

- Every grid consists of:
  - A container
    - A row
      - *One or more column classes*

```
<div class= "container">
```

```
<div class= "row">
```

```
<div class= "col-xx-yy">
```

## Setting width with col-xx-yy

- The class col-xx-yy always starts with "col"
- The "xx" component is the viewport size:
  - xs, sm, md, lg
- The "yy" component is the number of columns 0..12



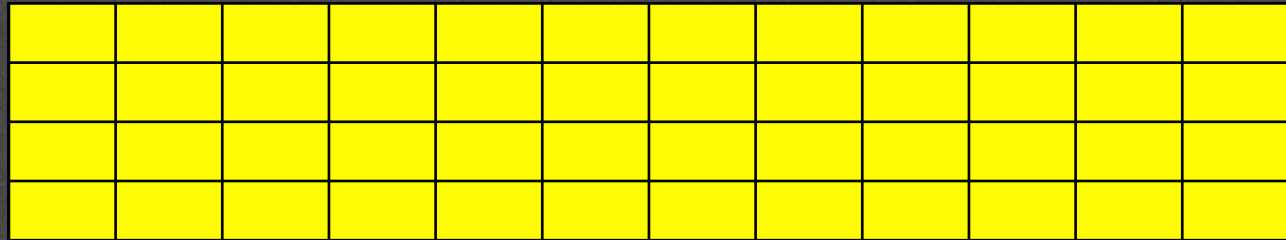
## col-xx-yy

- col-xs-12
- col-sm-8
- col-md-4
- col-lg-3
- These are often combined! Think photos....  

```
<img src = "pic.jpg" class="col-xs-12 col-sm-6  
col-md-3 col-lg-2">
```

# Using Bootstrap

- Using the classes....

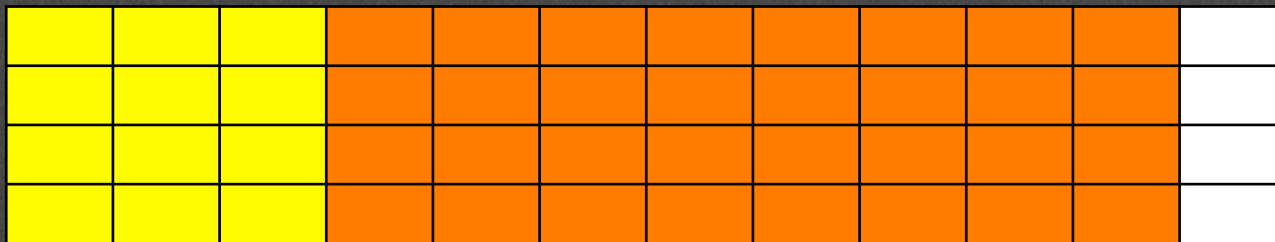


col-XX-02



## Combining elements

- What if you want two elements next to each other, but only on larger screen?



```
<div class="col-xs-12 col-md-3">Yellow Part</div>
```

```
<div class="col-xs-12 col-md-8">Orange Part</div>
```

## But it is actually easier than that...

- Because Bootstrap is mobile first, there is no need to specify the twelve columns if the element is block.

```
<div class="col-xs-12 col-md-3">Yellow Part</div>
```

```
<div class="col-md-3">Yellow Part</div>
```



## Positioning classes

- On viewports md and up, there is an option for push and pull class.
  - `col-XX-push-YY` → move YY columns to the right
  - `col-XX-pull-YY` → move YY columns to the left

## Responsive utility classes

- **hidden-XX** content will only be hidden on the XX screen size
- **visible-XX** content will only be visible on the XX screen size
- **sr-only** content is hidden on all devices except screen readers



## Conclusion

- Bootstrap is mobile first, larger screens inherit values from smaller screens.
- Review <http://getbootstrap.com/examples/grid/>
- Do the math!! If you want two elements to be next to each other on a larger screen, make sure their width adds up to no more than 12.

# Acknowledgements/Contributions

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