

# Converting Colors

Hex(225D88)

Have a look what the booklet for  
Hex(225D88) contains.

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# Color

Hex(225D88)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	225D88
RGB	34, 93, 136
RGB Percent	13%, 36%, 53%
CMY	0.8667, 0.6353, 0.4667
CMYK	0.75, 0.32, 0.00, 0.47
HSL	205°, 60%, 33%
HSV	205°, 75%, 53%
XYZ	9.0180, 9.9464, 24.7371
YIQ	80.2610, -48.9670, 0.8650

# Conversions

## Conversions Part 2

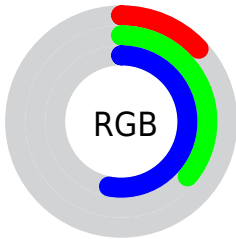
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 71, 136
Decimal	2252168
CIE <sub>Lab</sub>	37.75, -3.62, -29.37
CIE <sub>LCh</sub>	38, 29.594, 262.983
Yxy	9.9464, 0.2064, 0.2276
Android (android.graphics.Color)	4280442248 (0xFF225D88)
YUV	80.2610, 27.4793, -40.5709
Hunter-Lab	31.5378, -4.1507, -24.4283

# Details

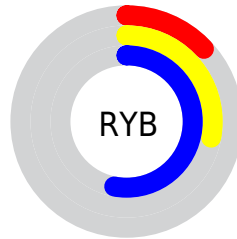
The Hex color **225D88** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **884D22**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **5D8FBE**, and **002F56** is the 20% darker color. If you saturate the color by 10%, you get **145788**, and if you desaturate by 10%, it is **306388**.

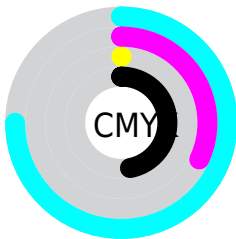
# Distribution



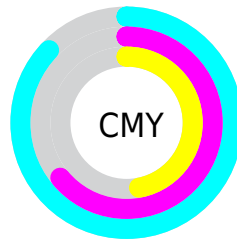
- Red (13%)
- Green (36%)
- Blue (53%)



- Red (13%)
- Yellow (28%)
- Blue (53%)



- Cyan (75%)
- Magenta (32%)
- Yellow (0%)
- Black (47%)



- Cyan (87%)
- Magenta (64%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 225D88 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 225D88 by changing the saturation by 10% instead.



■ 225D88

■ 225D88

FFFFFF

■ 00466E

■ 5D8FBE

■ 002F56

■ 79A9D9

■ 001B3E

■ 94C5F6

■ 000328

■ B1E1FF

■ 000112

■ CDFDFF

■ 000000

■ EBFFFF

■ 225D88

■ 225D88

■ 145788

■ 306388

075288

3D6888

004F88

4B6E88

587488

667A88

747F88

818588

8F8B88

9C9188

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



00627E



225D88



525585

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



225D88



864647



39623B

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



225D88



884D22

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



555D2B



225D88



7E4D33

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



225D88



82465F



6C5629



0A6552

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



225D88



684F7C



6C5629



436135



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



225D88



879FB0



22884D



404F59



D9D9D9



595959



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



225D88



126DB0



222A88



3E4245



004D85



000305



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



88225D



B0126D



888022



453E42



85004D



050003



# Previews

## White Background



This preview shows how the Hex color 225D88 looks on a white background.

### Color Contrast Check

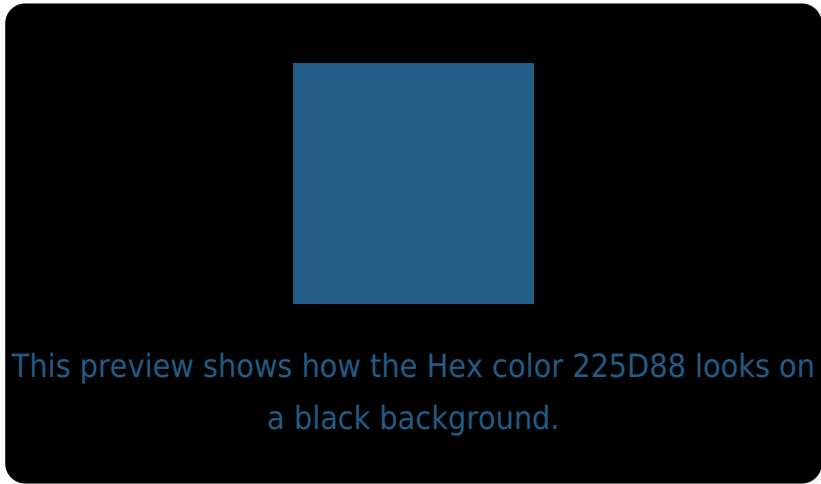
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

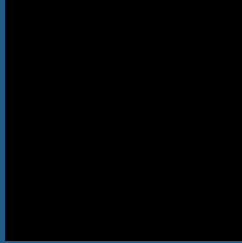
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 225D88 Background



This preview shows how black text looks on a background with the Hex color 225D88.

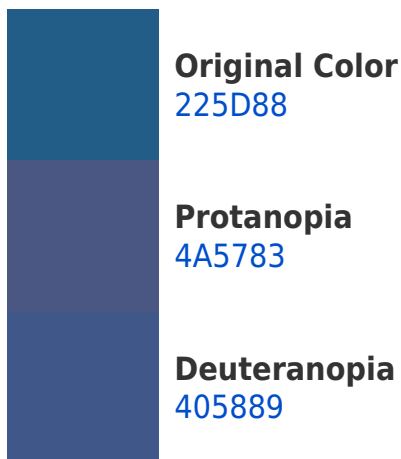



This preview shows how white text looks on a background with the Hex color 225D88.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

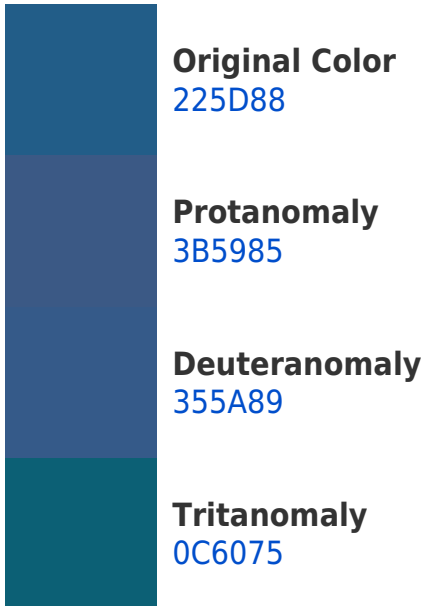
## Dichromacy





**Tritanopia**  
00626A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 225D88 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #225D88 looks like.

```
.text, #text, p{  
    color:#225D88  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #225D88 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #225D88
}
```

## Border

The CSS property to change the border of an element to Hex 225D88 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#225D88 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#225D88 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #225D88 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #225D88; -webkit-box-shadow:4px 4px  
4px 4px #225D88; box-shadow:4px 4px 4px  
4px #225D88 }
```

# Background

The CSS property to change the background color of an element to Hex 225D88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#225D88 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#225D88 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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