

Converting Colors

Hex(221F88)

Have a look what the booklet for
Hex(221F88) contains.

Hex(221F88)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(221F88)

Conversions

Conversions Part 1

Format	Color
Hex	221F88
RGB	34, 31, 136
RGB Percent	13%, 12%, 53%
CMY	0.8667, 0.8784, 0.4667
CMYK	0.75, 0.77, 0.00, 0.47
HSL	242°, 63%, 33%
HSV	242°, 77%, 53%
XYZ	5.5936, 3.0976, 23.5956
YIQ	43.8670, -31.9170, 33.2910

Conversions

Conversions Part 2

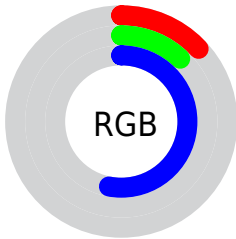
Format	Color
R_{YB}	34, 31, 136
Decimal	2236296
CIE _{Lab}	20.43, 37.46, -57.32
CIE _{LCh}	20, 68.473, 303.164
Yxy	3.0976, 0.1732, 0.0959
Android (android.graphics.Color)	4280426376 (0xFF221F88)
YUV	43.8670, 45.4216, -8.6534
Hunter-Lab	17.6001, 25.9302, -67.1674




Details

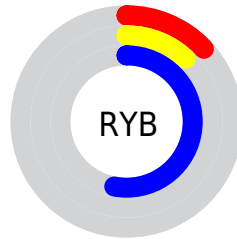
The Hex color **221F88** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **85881F**, and the grayscale version is **2B2B2B**.




A 20% lighter version of the original color is **604DBE**, and **000055** is the 20% darker color. If you saturate the color by 10%, you get **151188**, and if you desaturate by 10%, it is **2F2D88**.

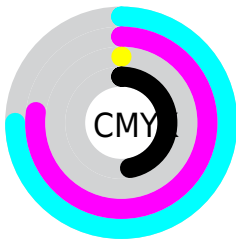
Distribution







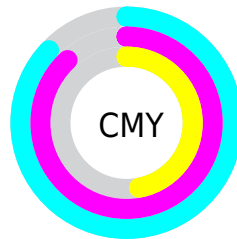
-  Red (13%)
-  Green (12%)
-  Blue (53%)






-  Red (13%)
-  Yellow (12%)
-  Blue (53%)



-  Cyan (75%)
-  Magenta (77%)
-  Yellow (0%)
-  Black (47%)



-  Cyan (87%)
-  Magenta (88%)
-  Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 221F88 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 221F88 by changing the saturation by 10% instead.

■ 221F88

■ 221F88

FFFFFF

■ 00096E

■ 604DBE

■ 000055

■ 7D65DB

■ 00063D

■ 997FF8

■ 000226

■ B699FF

■ 00010F

■ D3B4FF

■ 000000

■ F1D0FF

■ FFECFF

■ 221F88

■ 221F88

■ 151188

■ 2F2D88

■ 080488

■ 3C3A88

■ 040088

■ 4A4888

■ 575588

■ 646388

■ 717188

■ 7E7E88

■ 8C8C88

■ 999988

Harmonies

Analogous

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



003899



221F88



6D0060

Triad

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



221F88



601800



004236

Complementary

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



221F88



85881F

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.



004000



221F88



393200

Square

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



221F88



7A0000



003C00



004368

Rectangle

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



221F88



7E003F



003C00



004224

Sweetspot

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



221F88



8987B0



1F8688



414059



D9D9D9



595959

Same Dimension

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



221F88



110CB0



551F88



3E3E45



040085



000005

Inverse Universe

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



881F85



B00CAB



52881F



453E45



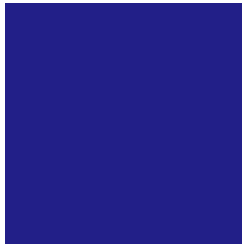
850081



050005

Previews

White Background



This preview shows how the Hex color 221F88 looks on a white background.

Color Contrast Check

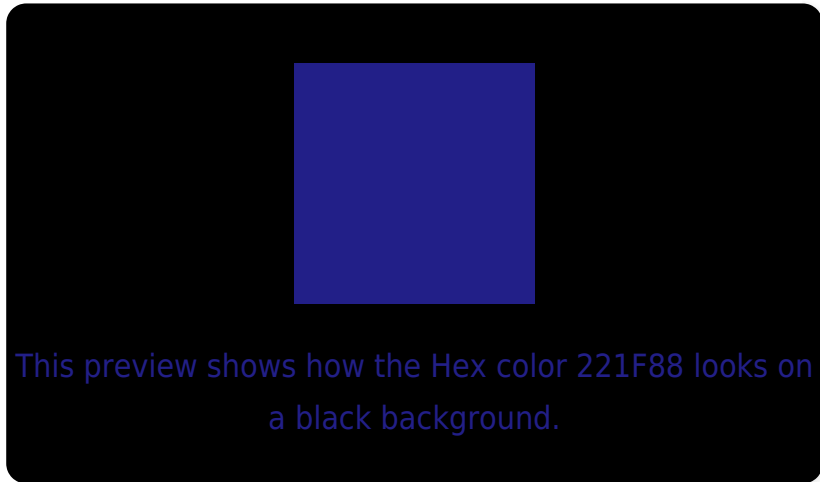
Large Text (above 18pt) WCAG AA ✓ Pass

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

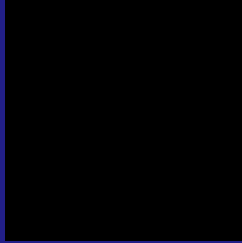
Any Text WCAG AA × Fail

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 221F88 Background



This preview shows how black text looks on a background with the Hex color 221F88.



This preview shows how white text looks on a background with the Hex color 221F88.

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



Original Color
221F88

Protanopia
003065

Deuteranopia
003356



Tritanopia
00373B

Trichromacy



Original Color
221F88

Protanomaly
0C2A72

Deuteranomaly
0C2C68

Tritanomaly
0C2E57

Monochromacy



Original Color
221F88

Achromatopsia
2C2C2C

Achromatomaly
28274D

CSS Examples

Text

The CSS property to change the color of the text to Hex 221F88 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 #221F88 looks like.

```
.text, #text, p{  
    color:#221F88  
}
```

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 #221F88 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221F88
}
```

Border

The CSS property to change the border of an element to Hex 221F88 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
#221F88 }
```

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

```
.border{ border-color:#221F88 }
```

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

Here you see how a box with a 4 pixel #221F88 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221F88; -webkit-box-shadow:4px 4px  
4px 4px #221F88; box-shadow:4px 4px 4px  
4px #221F88 }
```

Background

The CSS property to change the background color of an element to Hex 221F88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221F88 }
```

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

```
.background{ background-color:#221F88 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor