

Converting Colors

Hex(222C99)

Have a look what the booklet for
Hex(222C99) contains.

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Color

Hex(222C99)

Conversions

Conversions Part 1

Format	Color
Hex	222C99
RGB	34, 44, 153
RGB Percent	13%, 17%, 60%
CMY	0.8667, 0.8275, 0.4000
CMYK	0.78, 0.71, 0.00, 0.40
HSL	235°, 64%, 37%
HSV	235°, 78%, 60%
XYZ	7.3101, 4.4414, 30.6090
YIQ	53.4360, -40.9490, 31.7790

Conversions

Conversions Part 2

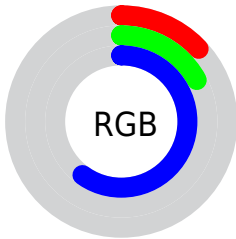
Format	Color
R_{YB}	34, 43, 153
Decimal	2239641
CIE _{Lab}	25.08, 35.57, -60.19
CIE _{LCh}	25, 69.911, 300.578
Yxy	4.4414, 0.1726, 0.1048
Android (android.graphics.Color)	4280429721 (0xFF222C99)
YUV	53.4360, 49.0851, -17.0454
Hunter-Lab	21.0745, 25.0361, -71.3616




Details

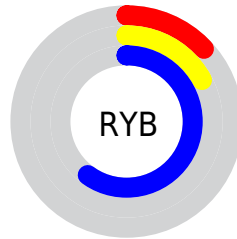
The Hex color **222C99** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **998F22**, and the grayscale version is **353535**.




A 20% lighter version of the original color is **635AD0**, and **000265** is the 20% darker color. If you saturate the color by 10%, you get **131E99**, and if you desaturate by 10%, it is **313A99**.

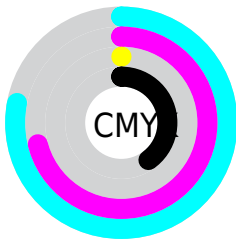
Distribution







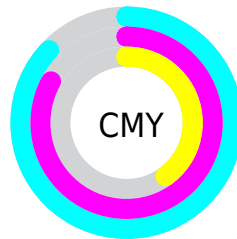
-  Red (13%)
-  Green (17%)
-  Blue (60%)






-  Red (13%)
-  Yellow (17%)
-  Blue (60%)



-  Cyan (78%)
-  Magenta (71%)
-  Yellow (0%)
-  Black (40%)



-  Cyan (87%)
-  Magenta (83%)
-  Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 222C99 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 222C99 by changing the saturation by 10% instead.

■ 222C99

■ 222C99

FFFFFF

■ 00177E

■ 635AD0

■ 000265

■ 8073ED

■ 00004C

■ 9D8DFF

■ 000434

■ BBA7FF

■ 00021E

■ D8C3FF

■ 000000

■ F6DFFF

■ FFFBFF

■ 222C99

■ 222C99

■ 131E99

■ 313A99

■ 031099

■ 414899

■ 000D99

■ 505699

■ 5F6499

■ 6E7299

■ 7E8099

■ 8D8E99

■ 9C9C99

■ ACAA99

Harmonies

Analogous

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



0044A9



222C99



770071

Triad

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



222C99



711F00



004E3B

Complementary

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



222C99



998F22

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.



004C00



222C99



493A00

Square

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



222C99



8B0007



054700



004F71

Rectangle

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



222C99



8C004F



054700



004D28

Sweetspot

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



222C99



999DC7



22998D



484A63



E3E3E3



636363

Same Dimension

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



222C99



0E1DC7



522299



45454D



000C8C



00010D

Inverse Universe

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



99222C



C70E1D



699922



4D4545



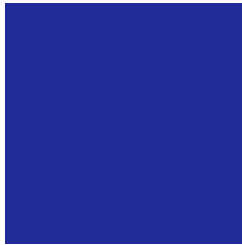
8C000C



0D0001

Previews

White Background



This preview shows how the Hex color 222C99 looks on a white background.

Color Contrast Check

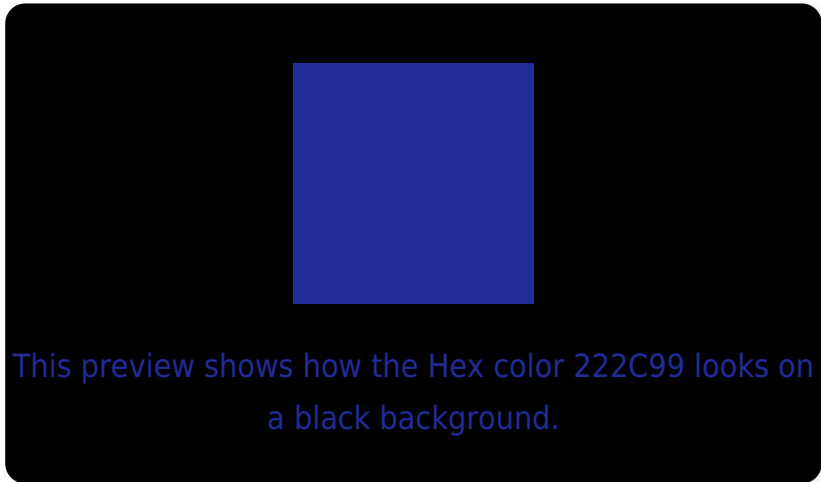
Large Text (above 18pt) WCAG AA ✓ Pass

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

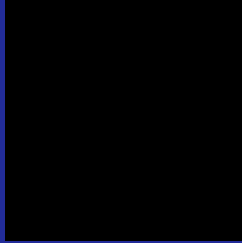
Any Text WCAG AA × Fail

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 222C99 Background



This preview shows how black text looks on a background with the Hex color 222C99.



This preview shows how white text looks on a background with the Hex color 222C99.

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
222C99

Protanopia
003A79

Deuteranopia
003D67

Trichromacy



Original Color
222C99

Protanomaly
0C3585

Deuteranomaly
0C3779

Tritanomaly
0C3A64

Monochromacy



Original Color
222C99

Achromatopsia
353535

Achromatomaly
2E3259

CSS Examples

Text

The CSS property to change the color of the text to Hex 222C99 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 #222C99 looks like.

```
.text, #text, p{  
    color:#222C99  
}
```

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 #222C99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222C99
}
```

Border

The CSS property to change the border of an element to Hex 222C99 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
#222C99 }
```

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

```
.border{ border-color:#222C99 }
```

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

Here you see how a box with a 4 pixel #222C99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222C99; -webkit-box-shadow:4px 4px  
4px 4px #222C99; box-shadow:4px 4px 4px  
4px #222C99 }
```

Background

The CSS property to change the background color of an element to Hex 222C99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222C99 }
```

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

```
.background{ background-color:#222C99 }
```

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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