

Converting Colors

Hex(212166)

Have a look what the booklet for
Hex(212166) contains.

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Color

Hex(212166)

Conversions

Conversions Part 1

Format	Color
Hex	212166
RGB	33, 33, 102
RGB Percent	13%, 13%, 40%
CMY	0.8706, 0.8706, 0.6000
CMYK	0.68, 0.68, 0.00, 0.60
HSL	240°, 51%, 26%
HSV	240°, 68%, 40%
XYZ	3.5693, 2.3704, 12.8398
YIQ	40.8660, -22.1490, 21.4590

Conversions

Conversions Part 2

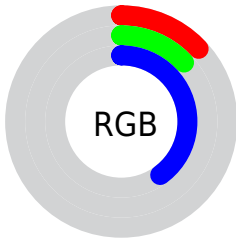
Format	Color
R _Y B	33, 33, 102
Decimal	2171238
CIE Lab	17.32, 23.81, -40.62
CIE LCh	17, 47.087, 300.373
Yxy	2.3704, 0.1901, 0.1262
Android (android.graphics.Color)	4280361318 (0xFF212166)
YUV	40.8660, 30.1391, -6.8985
Hunter-Lab	15.3960, 14.4397, -38.6689

Details

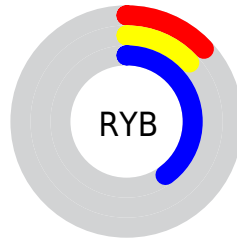
The Hex color **212166** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **666621**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **574D9A**, and **000036** is the 20% darker color. If you saturate the color by 10%, you get **171766**, and if you desaturate by 10%, it is **2B2B66**.

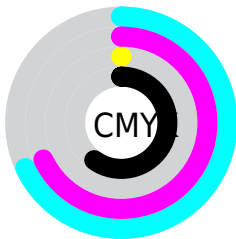
Distribution



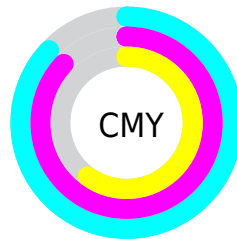
- Red (13%)
- Green (13%)
- Blue (40%)



- Red (13%)
- Yellow (13%)
- Blue (40%)



- Cyan (68%)
- Magenta (68%)
- Yellow (0%)
- Black (60%)



- Cyan (87%)
- Magenta (87%)
- Yellow (60%)
- Black (60%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212166 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 212166 by changing the saturation by 10% instead.

■ 212166

■ 212166

FFFFFF

■ 000D4D

■ 574D9A

■ 000036

■ 7166B5

■ 000220

■ 8C7FD1

■ 000004

■ A899ED

■ 000000

■ C4B3FF

■ E0CFFF

■ FEEBFF

■ 212166

■ 212166

■ 171766

■ 2B2B66

■ 0D0D66

■ 353566

■ 020266

■ 404066

■ 000066

■ 4A4A66

■ 545466

■ 5E5E66

■ 686866

■ 737366

■ 7D7D66

Harmonies

Analogous

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



002F70



212166



51044D

Triad

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



212166



4F1A00



00382A

Complementary

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



212166



666621

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.



003602



212166



352A00

Square

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



212166



5F0008



123200



00384C

Rectangle

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



212166



5F0037



123200



00371E

Sweetspot

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



212166



6A6A85



216666



323242



C2C2C2



424242

Same Dimension

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



212166



191985



442166



2E2E33



000073



0000F2

Inverse Universe

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



662166



851985



446621



332E33



730073



F200F2

Previews

White Background



This preview shows how the Hex color 212166 looks on a white background.

Color Contrast Check

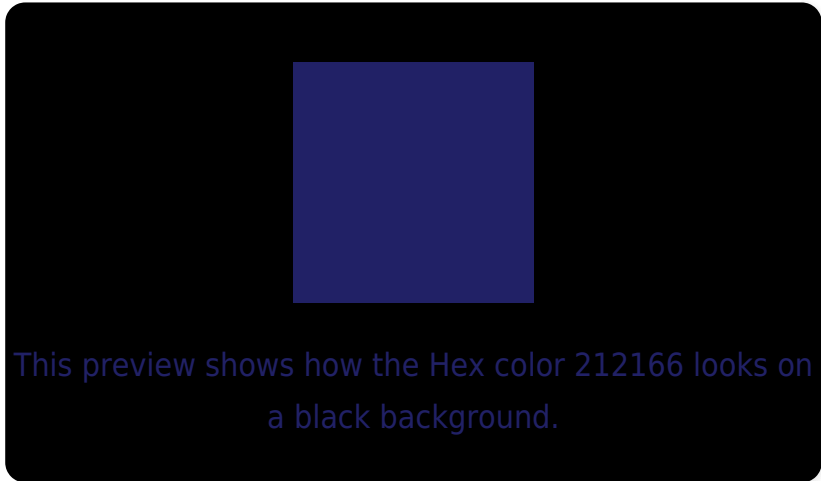
Large Text (above 18pt) WCAG AA ✓ Pass

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

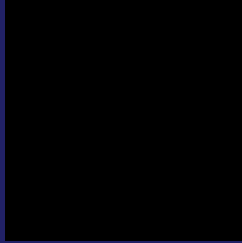
Any Text WCAG AA × Fail

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 212166 Background



This preview shows how black text looks on a background with the Hex color 212166.



This preview shows how white text looks on a background with the Hex color 212166.

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
212166

Protanopia
002A58

Deuteranopia
002C4B

Trichromacy



Original Color
212166

Protanomaly
0C275D

Deuteranomaly
0C2855

Tritanomaly
0C2B46

Monochromacy



Original Color
212166

Achromatopsia
292929

Achromatomaly
26263F

CSS Examples

Text

The CSS property to change the color of the text to Hex 212166 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 #212166 looks like.

```
.text, #text, p{  
    color:#212166  
}
```

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 #212166 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212166
}
```

Border

The CSS property to change the border of an element to Hex 212166 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
#212166 }
```

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

```
.border{ border-color:#212166 }
```

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

Here you see how a box with a 4 pixel #212166 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212166; -webkit-box-shadow:4px 4px  
4px 4px #212166; box-shadow:4px 4px 4px  
4px #212166 }
```

Background

The CSS property to change the background color of an element to Hex 212166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212166 }
```

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

```
.background{ background-color:#212166 }
```

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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