

Converting Colors

RGB(33, 22, 196)

Have a look what the booklet for
RGB(33, 22, 196) contains.

RGB(33, 22, 196)	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

RGB(33, 22, 196)

Conversions

Conversions Part 1

Format	Color
Hex	2116C4
RGB	33, 22, 196
RGB Percent	13%, 9%, 77%
CMY	0.8706, 0.9137, 0.2314
CMYK	0.83, 0.89, 0.00, 0.23
HSL	244°, 80%, 43%
HSV	244°, 89%, 77%
XYZ	10.8779, 4.8827, 52.5937
YIQ	45.1250, -49.2980, 56.4460

Conversions

Conversions Part 2

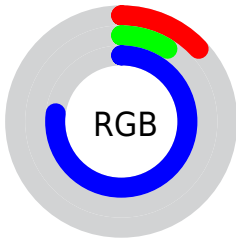
Format	Color
R_{YB}	33, 22, 196
Decimal	2168516
CIE _{Lab}	26.40, 60.01, -83.82
CIE _{LCh}	26, 103.089, 305.598
Yxy	4.8827, 0.1591, 0.0714
Android (android.graphics.Color)	4280358596 (0xFF2116C4)
YUV	45.1250, 74.3814, -10.6336
Hunter-Lab	22.0968, 49.2036, -125.6515

Details

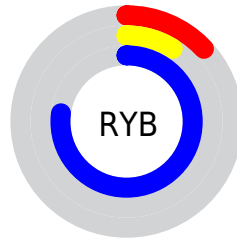
The RGB color **33, 22, 196** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **185, 196, 22**, and the grayscale version is **44, 44, 44**.

A 20% lighter version of the original color is **112, 74, 254**, and **0, 0, 140** is the 20% darker color. If you saturate the color by 10%, you get **15, 2, 196**, and if you desaturate by 10%, it is **51, 42, 196**.

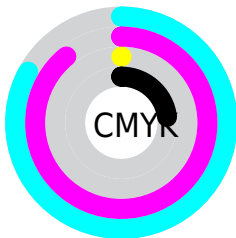
Distribution



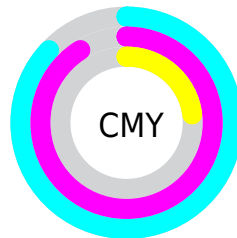
- Red (13%)
- Green (9%)
- Blue (77%)



- Red (13%)
- Yellow (9%)
- Blue (77%)



- Cyan (83%)
- Magenta (89%)
- Yellow (0%)
- Black (23%)



- Cyan (87%)
- Magenta (91%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 22, 196 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 RGB color 33, 22, 196 by changing the saturation by 10% instead.



33, 22, 196



33, 22, 196

255, 255, 255



0, 0, 168



112, 74, 254



0, 0, 140



144, 100, 255



0, 0, 114



175, 126, 255



0, 12, 88



206, 153, 255



0, 7, 64



237, 181, 255



0, 3, 41



255, 209, 255



0, 1, 19



255, 238, 255



0, 0, 0



33, 22, 196



33, 22, 196

■ 15, 2, 196

■ 51, 42, 196

■ 12, 0, 196

■ 70, 61, 196

■ 88, 81, 196

■ 106, 100, 196

■ 125, 120, 196

■ 143, 140, 196

■ 162, 159, 196

■ 180, 179, 196

■ 198, 198, 196

Harmonies

Analogous

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



0, 75, 228



33, 22, 196



158, 0, 130

Triad

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



33, 22, 196



126, 21, 0



0, 86, 76

Complementary

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



33, 22, 196



185, 196, 22

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.



0, 83, 0



33, 22, 196



64, 65, 0

Square

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



33, 22, 196



168, 0, 0



0, 79, 0



0, 88, 155

Rectangle

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



33, 22, 196



181, 0, 78



0, 79, 0



0, 85, 48

Sweetspot

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



33, 22, 196



191, 186, 255



22, 187, 196



89, 87, 128



0, 0, 0



128, 128, 128

Same Dimension

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



33, 22, 196



16, 0, 255



118, 22, 196



88, 87, 97



10, 0, 161



2, 0, 33

Inverse Universe

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



196, 22, 185



255, 0, 239



100, 196, 22



97, 87, 96



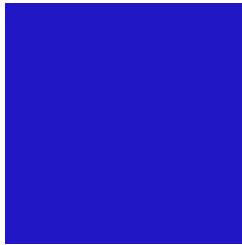
161, 0, 150



33, 0, 31

Previews

White Background



This preview shows how the RGB color 33, 22, 196 looks on a white background.

Color Contrast Check

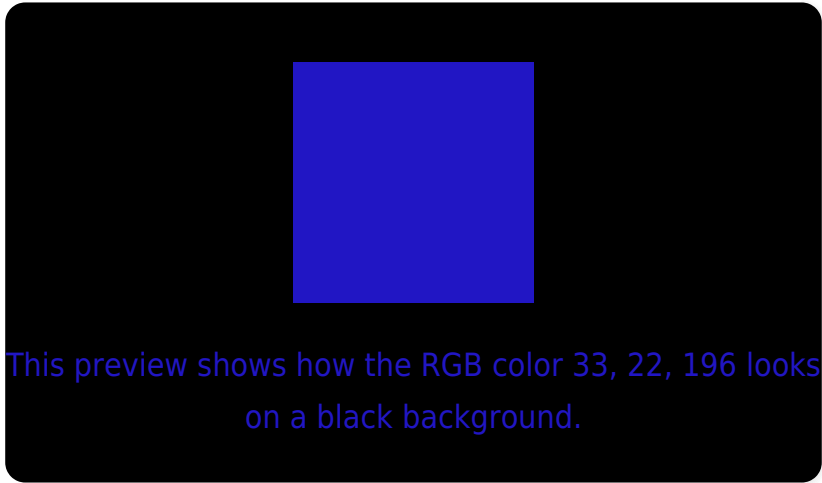
Large Text (above 18pt) WCAG AA ✓ Pass

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

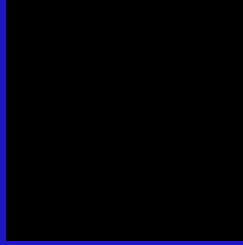
Any Text WCAG AA × Fail

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](#).

RGB 33, 22, 196 Background



This preview shows how black text looks on a background with the RGB color 33, 22, 196.



This preview shows how white text looks on a background with the RGB color 33, 22, 196.

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


33, 22, 196

Protanopia

0, 61, 128

Deuteranopia

0, 65, 108



Tritanopia
0, 70, 73

Trichromacy



Original Color

33, 22, 196

Protanomaly

12, 47, 153

Deuteranomaly

12, 49, 140

Tritanomaly

12, 53, 118

Monochromacy



Original Color

33, 22, 196

Achromatopsia

45, 45, 45

Achromatomaly

41, 37, 100

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 22, 196 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 `rgb(33, 22, 196)` looks like.

```
.text, #text, p{  
    color:rgb(33, 22, 196)  
}
```

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 rgb(33, 22, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 22, 196) }
```

Border

The CSS property to change the border of an element to RGB 33, 22, 196 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 rgb(33, 22, 196) }
```

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

```
.border{ border-color:rgb(33, 22, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 22, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 22, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 22, 196);  
box-shadow:4px 4px 4px 4px rgb(33, 22,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 33, 22, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 22, 196) }
```

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

```
.background{ background-color: rgb(33, 22,  
196) }
```

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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