

Converting Colors

Hex(220033)

Have a look what the booklet for
Hex(220033) contains.

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Color

Hex(220033)

Conversions

Conversions Part 1

Format	Color
Hex	220033
RGB	34, 0, 51
RGB Percent	13%, 0%, 20%
CMY	0.8667, 1.0000, 0.8000
CMYK	0.33, 1.00, 0.00, 0.80
HSL	280°, 100%, 10%
HSV	280°, 100%, 20%
XYZ	1.2572, 0.5791, 3.1775
YIQ	15.9800, 3.8930, 23.0690

Conversions

Conversions Part 2

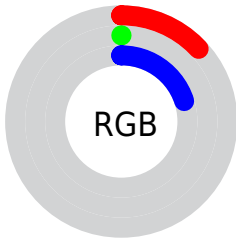
Format	Color
R_{YB}	34, 0, 51
Decimal	2228275
CIE Lab	5.23, 26.74, -24.97
CIE LCh	5, 36.583, 316.956
Yxy	0.5791, 0.2508, 0.1155
Android (android.graphics.Color)	4280418355 (0xFF220033)
YUV	15.9800, 17.2649, 15.8035
Hunter-Lab	7.6098, 16.1729, -19.4296

Details

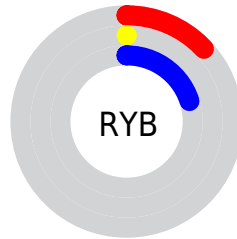
The Hex color **220033** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **113300**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **512D62**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **220033**, and if you desaturate by 10%, it is **240533**.

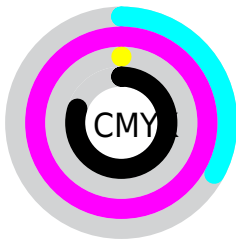
Distribution



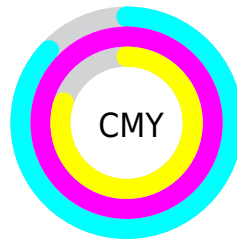
- Red (13%)
- Green (0%)
- Blue (20%)



- Red (13%)
- Yellow (0%)
- Blue (20%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (80%)



- Cyan (87%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 220033 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 220033 by changing the saturation by 10% instead.

 220033

 220033

 FFE1FF

 00001D

 512D62

 000000

 6A447B

 835C95

 9E75B0

 B98FCB

 D5AAE8

 F2C5FF

 220033

■ 240533

■ 250A33

■ 270F33

■ 291433

■ 2B1A33

■ 2C1F33

■ 2E2433

■ 302933

■ 312E33

Harmonies

Analogous

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



001041



220033



35001E

Triad

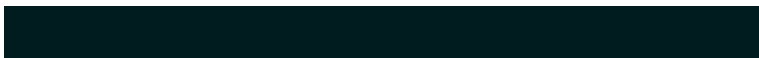
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220033



210C00



001C1F

Complementary

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



220033



113300

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.



001B00



220033



021600

Square

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



220033



300000



001B00



001D35

Rectangle

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



220033



39000A



001B00



001B17

Sweetspot

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



220033



3C2E42



001133



1D1521



A1A1A1



212121

Same Dimension

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



220033



2C0042



33002A



19171A



3C0059



9100D9

Inverse Universe

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



330011



420016



003308



1A1718



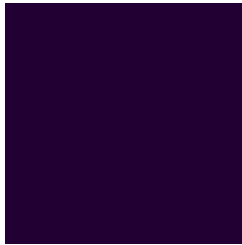
59001E



D90048

Previews

White Background



This preview shows how the Hex color 220033 looks on a white background.

Color Contrast Check

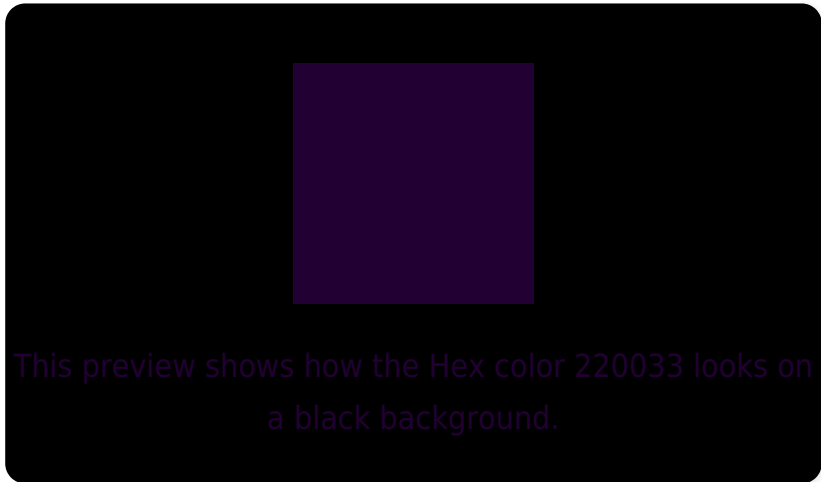
Large Text (above 18pt) WCAG AA ✓ Pass

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

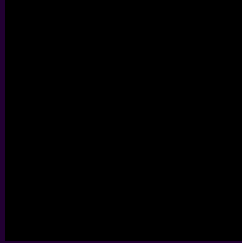
Any Text WCAG AA × Fail

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 220033 Background



This preview shows how black text looks on a background with the Hex color 220033.



This preview shows how white text looks on a background with the Hex color 220033.

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](#).

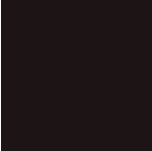
Dichromacy



Original Color
220033

Protanopia
00162D

Deuteranopia
001727



Tritanopia
1D1415

Trichromacy



Original Color
220033

Protanomaly
0C0E2F

Deuteranomaly
0C0F2B

Tritanomaly
1F0D20

Monochromacy



Original Color
220033

Achromatopsia
101010

Achromatomaly
170A1D

CSS Examples

Text

The CSS property to change the color of the text to Hex 220033 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 #220033 looks like.

```
.text, #text, p{  
    color:#220033  
}
```

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 #220033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #220033  
}
```

Border

The CSS property to change the border of an element to Hex 220033 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  
#220033 }
```

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

```
.border{ border-color:#220033 }
```

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

Here you see how a box with a 4 pixel #220033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #220033; -webkit-box-shadow:4px 4px  
4px 4px #220033; box-shadow:4px 4px 4px  
4px #220033 }
```

Background

The CSS property to change the background color of an element to Hex 220033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#220033 }
```

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

```
.background{ background-color:#220033 }
```

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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