

Converting Colors

XYZ(21.8028, 11.2104, 2.3463)

Have a look what the booklet for
XYZ(21.8028, 11.2104, 2.3463)
contains.

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Color

**XYZ(21.7466, 11.1807,
2.3784)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0020
RGB	191, 0, 32
RGB Percent	75%, 0%, 13%
CMY	0.2510, 0.9998, 0.8745
CMYK	0.00, 1.00, 0.83, 0.25
HSL	350°, 100%, 37%
HSV	350°, 100%, 75%
XYZ	21.7466, 11.1807, 2.3784
YIQ	60.7570, 103.5640, 50.4440

Conversions

Conversions Part 2

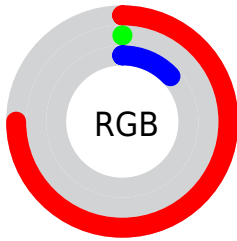
Format	Color
RYB	191, 0, 32
Decimal	12517408
CIELab	39.88, 64.94, 40.44
CIElCh	40, 76.500, 31.915
Yxy	11.1807, 0.6160, 0.3167
Android (android.graphics.Color)	4290707488 (0xFFBF0020)
YUV	60.7570, -14.1772, 114.2231
Hunter-Lab	33.4376, 57.5744, 19.1890

Details

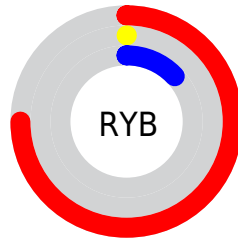
The XYZ color **21.7466, 11.1807, 2.3784** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.8925, 39.7661, 39.1819**, and the grayscale version is **4.4132, 4.6431, 5.0563**.

A 20% lighter version of the original color is **45.6728, 27.9823, 10.0151**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.7460, 11.1804, 2.3761**, and if you desaturate by 10%, it is **22.2524, 11.7593, 3.8828**.

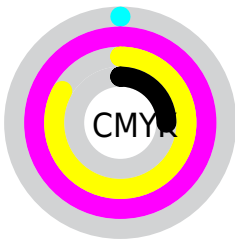
Distribution



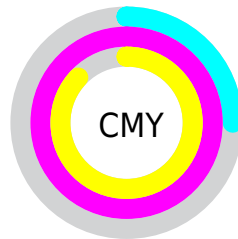
- Red (75%)
- Green (0%)
- Blue (13%)



- Red (75%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7466, 11.1807, 2.3784 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 XYZ color 21.7466, 11.1807, 2.3784 by changing the saturation by 10% instead.


 21.7466, 11.1807,
2.3784


 21.7466, 11.1807,
2.3784


253.8774,
198.9031, 128.0006


 13.7864, 6.1885,
0.7746


 45.8088, 27.9938,
10.0517

 8.0529, 2.9600,
0.0000


 62.6415, 40.5836,
16.9704


 4.1809, 1.1109,
0.0000

 83.1624, 56.4746,
26.5020

 1.8050, 0.0000,
0.0000

 107.7369, 76.0513,
39.0648

 0.5207, 0.0000,
0.0000


 136.7302, 99.6981,
55.0776


 0.0000, 0.0000,
0.0000


 170.5079,


127.7994, 74.9588


 209.4351,
160.7396, 99.1270


 21.7466, 11.1807,
2.3784


 21.7466, 11.1807,
2.3784


 21.7460, 11.1804,
2.3761

 22.2524, 11.7593,
3.8828

 23.1064, 12.8458,
6.0833

 24.4029, 14.6110,
9.0673

 26.1940, 17.1432,
12.9015

 28.5243, 20.5172,
17.6451

■ 31.4334, 24.7987,
23.3521

■ 34.9571, 30.0472,
30.0720

■ 39.1281, 36.3169,
37.8511

■ 43.9770, 43.6581,
46.7327

Harmonies

Analogous

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



24.2983, 11.1807, 11.2304



21.7466, 11.1807, 2.3784



16.1419, 11.1807, 0.0889

Triad

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



21.7466, 11.1807, 2.3784



3.9632, 11.1807, 2.9894



10.9688, 11.1807, 70.2362

Complementary

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



21.7466, 11.1807, 2.3784



24.8925, 39.7661, 39.1819

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.



6.5374, 11.1807, 59.8620



21.7466, 11.1807, 2.3784



3.3797, 11.1807, 13.1688

Square

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



21.7466, 11.1807, 2.3784



6.1226, 11.1807, 0.2676



4.1411, 11.1807, 34.8386



16.9286, 11.1807, 57.1036

Rectangle

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



21.7466, 11.1807, 2.3784



12.1155, 11.1807, 0.0000



4.1411, 11.1807, 34.8386



9.2655, 11.1807, 69.3648

Sweetspot

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



21.7468, 11.1814, 2.3785



62.2694, 53.3073, 53.2195



23.1127, 10.8293, 50.1620



13.0571, 10.7851, 10.5171



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.7468, 11.1814, 2.3785



38.8886, 20.0007, 3.9454



23.1286, 14.3618, 1.5542



9.5936, 9.5617, 10.2488



14.3119, 7.3559, 1.6700



0.5812, 0.2964, 0.1736

Inverse Universe

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



21.7468, 11.1814, 2.3785



38.8886, 20.0007, 3.9454



17.4575, 19.8681, 52.2047



9.5936, 9.5617, 10.2488



14.3119, 7.3559, 1.6700



0.5812, 0.2964, 0.1736

Previews

White Background



This preview shows how the XYZ color 21.7466, 11.1807, 2.3784 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 × Fail

Black Background



This preview shows how the XYZ color 21.7466, 11.1807, 2.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

XYZ 21.7466, 11.1807, 2.3784

Background



This preview shows how black text looks on a background with the XYZ color 21.7466, 11.1807, 2.3784.



This preview shows how white text looks on a background with the XYZ color 21.7466, 11.1807,

2.3784.

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

21.7466, 11.1807, 2.3784

Protanopia

10.8161, 11.8526, 4.8497

Deuteranopia

11.9136, 11.8160, 1.9694



Tritanopia

21.4357, 11.3480, 1.0606

Trichromacy



Original Color

21.7466, 11.1807, 2.3784

Protanomaly

12.4938, 8.9455, 3.4510

Deuteranomaly

13.7141, 9.3780, 1.7034

Tritanomaly

21.4212, 11.2130, 1.3831

Monochromacy



Original Color

21.7466, 11.1807, 2.3784

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4856, 4.8695, 3.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7466, 11.1807, 2.3784 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(191, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 32)  
}
```

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(191, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 21.7466, 11.1807, 2.3784 is called "border". The border property can be set on classes, ids or directly on the HTML element.

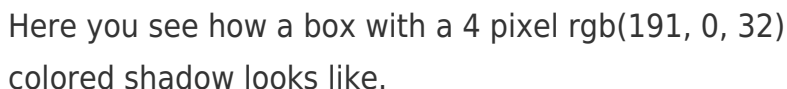
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 0, 32) }
```


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

```
.border{ border-color:rgb(191, 0, 32) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7466, 11.1807, 2.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 32) }
```

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

```
.background{ background-color: rgb(191, 0,  
32) }
```

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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