

Converting Colors

XYZ(21.6208, 11.1310, 1.7106)

Have a look what the booklet for
XYZ(21.6208, 11.1310, 1.7106)
contains.

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Color

**XYZ(21.6212, 11.1305,
1.7183)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0015
RGB	191, 0, 21
RGB Percent	75%, 0%, 8%
CMY	0.2510, 0.9999, 0.9176
CMYK	0.00, 1.00, 0.89, 0.25
HSL	353°, 100%, 37%
HSV	353°, 100%, 75%
XYZ	21.6212, 11.1305, 1.7183
YIQ	59.5030, 107.0950, 47.0230

Conversions

Conversions Part 2

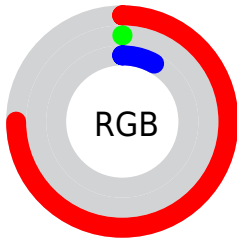
Format	Color
RYB	191, 0, 21
Decimal	12517397
CIELab	39.80, 64.71, 46.04
CIElCh	40, 79.416, 35.432
Yxy	11.1305, 0.6272, 0.3229
Android (android.graphics.Color)	4290707477 (0xFFBF0015)
YUV	59.5030, -18.9820, 115.3229
Hunter-Lab	33.3624, 57.2964, 20.3000

Details

The XYZ color **21.6212, 11.1305, 1.7183** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.8902, 40.1652, 44.4361**, and the grayscale version is **4.2438, 4.4648, 4.8622**.

A 20% lighter version of the original color is **45.2704, 27.6998, 8.2708**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.6207, 11.1303, 1.7167**, and if you desaturate by 10%, it is **22.0708, 11.6866, 2.9265**.

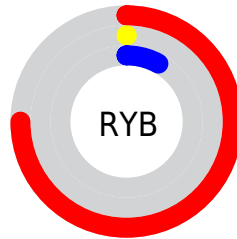
Distribution



Red (75%)

Green (0%)

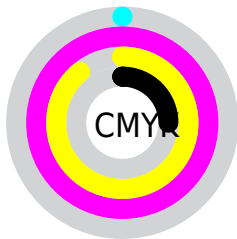
Blue (8%)



Red (75%)

Yellow (0%)

Blue (8%)

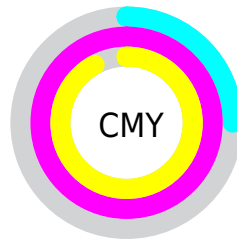


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (25%)



Cyan (25%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6212, 11.1305, 1.7183 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 21.6212, 11.1305, 1.7183 by changing the saturation by 10% instead.

■ 21.6212, 11.1305,
1.7183

■ 21.6212, 11.1305,
1.7183

253.2314,
198.5607, 117.8368

■ 13.6939, 6.1547,
0.3732

■ 45.6027, 27.9012,
8.2553

■ 7.9883, 2.9394,
0.0000

■ 62.3875, 40.4649,
14.3968

■ 4.1392, 1.1002,
0.0000

■ 82.8555, 56.3267,
23.0118

■ 1.7812, 0.0000,
0.0000

■ 107.3721, 75.8710,
34.5187

■ 0.5063, 0.0000,
0.0000


■ 136.3027, 99.4821,
49.3361


■ 0.0000, 0.0000,
0.0000


■ 170.0125,


127.5445, 67.8826


 208.8669,
160.4426, 90.5766


 21.6212, 11.1305,
1.7183


 21.6212, 11.1305,
1.7183


 21.6207, 11.1303,
1.7167

 22.0708, 11.6866,
2.9265

 22.8761, 12.7536,
4.8713

 24.1355, 14.5039,
7.6600

 25.9040, 17.0270,
11.3753

 28.2287, 20.3986,
16.0896

■ 31.1514, 24.6855,
21.8682

■ 34.7097, 29.9478,
28.7708

■ 38.9381, 36.2404,
36.8527

■ 43.8689, 43.6142,
46.1654

Harmonies

Analogous

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



24.8165, 11.1305, 9.4944



21.6212, 11.1305, 1.7183



15.5618, 11.1305, 0.0000

Triad

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



21.6212, 11.1305, 1.7183



3.6241, 11.1305, 3.4336



11.6025, 11.1305, 73.2747

Complementary

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



21.6212, 11.1305, 1.7183



25.8902, 40.1652, 44.4361

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.



6.7929, 11.1305, 65.0341



21.6212, 11.1305, 1.7183



3.2003, 11.1305, 15.1880

Square

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



21.6212, 11.1305, 1.7183



5.5927, 11.1305, 0.2735



4.1317, 11.1305, 39.1731



17.8916, 11.1305, 56.7091

Rectangle

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



21.6212, 11.1305, 1.7183



11.4360, 11.1305, 0.0000



4.1317, 11.1305, 39.1731



9.7663, 11.1305, 73.4056

Sweetspot

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



21.6214, 11.1312, 1.7184



61.8231, 53.1288, 50.8693



25.7065, 12.1665, 50.2833



12.9524, 10.7432, 9.9658



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.



21.6214, 11.1312, 1.7184



38.6809, 19.9177, 2.8520



23.8842, 15.8729, 1.8060



9.5716, 9.5529, 10.1331



14.2242, 7.3208, 1.2084



0.5715, 0.2925, 0.1228

Inverse Universe

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



21.6214, 11.1312, 1.7184



38.6809, 19.9177, 2.8520



15.8589, 16.6709, 51.6717



9.5716, 9.5529, 10.1331



14.2242, 7.3208, 1.2084



0.5715, 0.2925, 0.1228

Previews

White Background



This preview shows how the XYZ color 21.6212, 11.1305, 1.7183 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



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 21.6212, 11.1305, 1.7183

Background



This preview shows how black text looks on a background with the XYZ color 21.6212, 11.1305, 1.7183.



This preview shows how white text looks on a background with the XYZ color 21.6212, 11.1305,

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

21.6212, 11.1305, 1.7183

Protanopia

10.8089, 11.8775, 3.5566

Deuteranopia

11.8532, 11.7919, 1.6513



Tritanopia

21.4357, 11.3480, 1.0606

Trichromacy



Original Color

21.6212, 11.1305, 1.7183

Protanomaly

12.4646, 8.9528, 2.4376

Deuteranomaly

13.6404, 9.3485, 1.3152

Tritanomaly

21.3987, 11.2040, 1.2645

Monochromacy



Original Color

21.6212, 11.1305, 1.7183

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.3706, 4.7716, 3.1173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6212, 11.1305, 1.7183 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 21.6212, 11.1305, 1.7183 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, 21) }
```


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

```
.border{ border-color:rgb(191, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6212, 11.1305, 1.7183 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, 21) }
```

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

```
.background{ background-color: rgb(191, 0,  
21) }
```

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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