

Converting Colors

XYZ(21.6429, 11.2971, 1.0399)

Have a look what the booklet for
XYZ(21.6429, 11.2971, 1.0399)
contains.

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Color

**XYZ(21.5835, 11.2717,
1.0381)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0900
RGB	191, 9, 0
RGB Percent	75%, 4%, 0%
CMY	0.2510, 0.9646, 1.0000
CMYK	0.00, 0.95, 1.00, 0.25
HSL	3°, 100%, 37%
HSV	3°, 100%, 75%
XYZ	21.5835, 11.2717, 1.0381
YIQ	62.3920, 111.3610, 35.7850

Conversions

Conversions Part 2

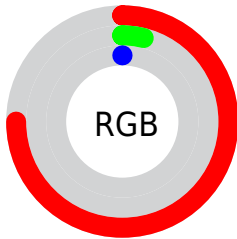
Format	Color
RYB	191, 9, 0
Decimal	12519680
CIELab	40.03, 63.52, 54.20
CIELCh	40, 83.501, 40.475
Yxy	11.2717, 0.6368, 0.3326
Android (android.graphics.Color)	4290709760 (0xFFBF0900)
YUV	62.3920, -30.7593, 112.7892
Hunter-Lab	33.5734, 56.0000, 21.6681

Details

The XYZ color **21.5835, 11.2717, 1.0381** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.1245, 37.2028, 55.0937**, and the grayscale version is **4.6705, 4.9138, 5.3511**.

A 20% lighter version of the original color is **45.0079, 27.8397, 6.1334**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.5837, 11.2724, 1.0382**, and if you desaturate by 10%, it is **22.0013, 11.9182, 1.7615**.

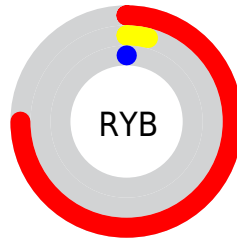
Distribution



Red (75%)

Green (4%)

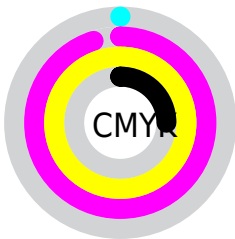
Blue (0%)



Red (75%)

Yellow (4%)

Blue (0%)

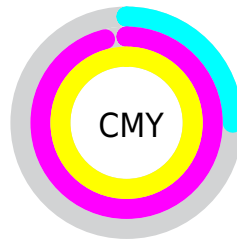


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5835, 11.2717, 1.0381 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 21.5835, 11.2717, 1.0381 by changing the saturation by 10% instead.


 21.5835, 11.2717,
1.0381


 21.5835, 11.2717,
1.0381


 253.0369,
199.5222, 104.9802


 13.6661, 6.2499,
0.0000


 45.5406, 28.1615,
6.1874


 7.9689, 2.9976,
0.0000


 62.3111, 40.7983,
11.3526

 4.1267, 1.1305,
0.0000

 82.7632, 56.7422,
18.8029

 1.7741, 0.0038,
0.0000

 107.2624, 76.3776,
28.9569

 0.5020, 0.0000,
0.0000


 136.1740,
100.0889, 42.2331


 0.0000, 0.0000,
0.0000


 169.8634,


128.2605, 59.0500


 208.6959,
161.2768, 79.8262


 21.5835, 11.2717,
1.0381


 21.5835, 11.2717,
1.0381


 21.5837, 11.2724,
1.0382

 22.0013, 11.9182,
1.7615

 22.7936, 13.1272,
3.1832

 24.0441, 14.9994,
5.5383

 25.8080, 17.6115,
8.9499

 28.1330, 21.0295,
13.5226

■ 31.0610, 25.3124,
19.3482

■ 34.6301, 30.5136,
26.5095

■ 38.8751, 36.6819,
35.0822

■ 43.8286, 43.8631,
45.1362

Harmonies

Analogous

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



25.7752, 11.2717, 7.3488



21.5835, 11.2717, 1.0381



14.8726, 11.2717, 0.0000

Triad

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



21.5835, 11.2717, 1.0381



3.2826, 11.2717, 4.4138



12.8633, 11.2717, 77.6947

Complementary

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



21.5835, 11.2717, 1.0381



26.1245, 37.2028, 55.0937

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.



7.4124, 11.2717, 73.3319



21.5835, 11.2717, 1.0381



3.0806, 11.2717, 19.0155

Square

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



21.5835, 11.2717, 1.0381



4.9982, 11.2717, 0.3850



4.2890, 11.2717, 46.6861



19.6658, 11.2717, 55.8830

Rectangle

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



21.5835, 11.2717, 1.0381



10.6215, 11.2717, 0.0000



4.2890, 11.2717, 46.6861



10.8059, 11.2717, 79.5200

Sweetspot

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



21.5837, 11.2724, 1.0382



61.6923, 54.1688, 46.8129



30.2039, 14.5636, 46.9150



12.9215, 10.9840, 9.0223



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.



21.5837, 11.2724, 1.0382



38.6092, 20.0936, 1.8435



26.2240, 20.5529, 2.5850



9.5654, 9.6068, 9.9268



14.2014, 7.4416, 0.6879



0.5688, 0.3166, 0.0311

Inverse Universe

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



26.1245, 37.2028, 55.0937



46.7371, 66.5262, 98.6567



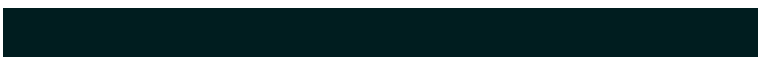
12.9874, 10.9286, 50.7146



9.7689, 10.7301, 12.2284



17.1859, 24.4835, 36.2129



0.6852, 0.9831, 1.4225

Previews

White Background



This preview shows how the XYZ color 21.5835, 11.2717, 1.0381 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 21.5835, 11.2717, 1.0381

Background



This preview shows how black text looks on a background with the XYZ color 21.5835, 11.2717, 1.0381.



This preview shows how white text looks on a background with the XYZ color 21.5835, 11.2717,

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

21.5835, 11.2717, 1.0381

Protanopia

10.6345, 11.8077, 2.6383

Tritanopia

21.4357, 11.3480, 1.0606

Trichromacy



Original Color

21.5835, 11.2717, 1.0381

Protanomaly

12.4651, 9.2213, 1.6131

Tritanomaly

21.3922, 11.2612, 1.0461

Monochromacy



Original Color

21.5835, 11.2717, 1.0381

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5368, 5.1254, 2.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5835, 11.2717, 1.0381 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, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 9, 0)  
}
```

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, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 9, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.5835, 11.2717, 1.0381 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, 9, 0) }
```

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

```
.border{ border-color:rgb(191, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(191, 9, 0); box-shadow:4px  
4px 4px 4px rgb(191, 9, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 21.5835, 11.2717, 1.0381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 9, 0) }
```

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

```
.background{ background-color: rgb(191, 9,  
0) }
```

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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