

Converting Colors

XYZ(21.3722, 11.2293, 1.0410)

Have a look what the booklet for
XYZ(21.3722, 11.2293, 1.0410)
contains.

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Color

**XYZ(21.3791, 11.2350,
1.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0D00
RGB	190, 13, 0
RGB Percent	75%, 5%, 0%
CMY	0.2549, 0.9489, 1.0000
CMYK	0.00, 0.93, 1.00, 0.25
HSL	4°, 100%, 37%
HSV	4°, 100%, 75%
XYZ	21.3791, 11.2350, 1.0418
YIQ	64.4410, 109.6650, 33.4810

Conversions

Conversions Part 2

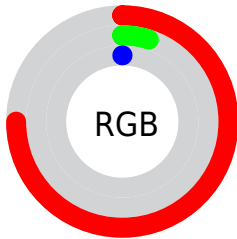
Format	Color
R _Y B	190, 14, 0
Decimal	12455168
CIE Lab	39.97, 62.81, 54.05
CIE LCh	40, 82.866, 40.709
Yxy	11.2350, 0.6352, 0.3338
Android (android.graphics.Color)	4290645248 (0xFFBE0D00)
YUV	64.4410, -31.7694, 110.1152
Hunter-Lab	33.5187, 55.1945, 21.6203

Details

The XYZ color **21.3791, 11.2350, 1.0418** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.0101, 35.1495, 54.1810**, and the grayscale version is **4.9771, 5.2363, 5.7023**.

A 20% lighter version of the original color is **45.0860, 27.9960, 6.1594**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.3793, 11.2357, 1.0419**, and if you desaturate by 10%, it is **21.8355, 11.9600, 1.7738**.

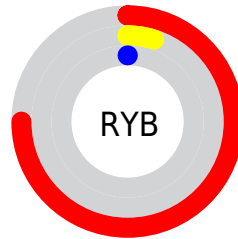
Distribution



Red (75%)

Green (5%)

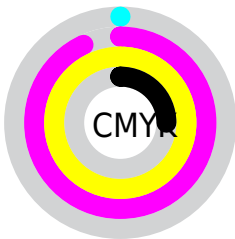
Blue (0%)



Red (75%)

Yellow (5%)

Blue (0%)

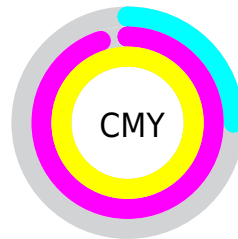


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3791, 11.2350, 1.0418 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 21.3791, 11.2350, 1.0418 by changing the saturation by 10% instead.


 21.3791, 11.2350,
1.0418


 21.3791, 11.2350,
1.0418


 251.9802,
199.2728, 105.0604


 13.5154, 6.2251,
0.0000


 45.2042, 28.0939,
6.1995

 7.8639, 2.9825,
0.0000


 61.8962, 40.7117,
11.3708


 4.0590, 1.1226,
0.0000

 82.2619, 56.6343,
18.8284

 1.7356, 0.0000,
0.0000

 106.6663, 76.2461,
28.9909

 0.4784, 0.0000,
0.0000


 135.4751, 99.9314,
42.2768


 0.0000, 0.0000,
0.0000


 169.0534,


128.0747, 59.1047


 207.7666,
161.0604, 79.8930


 21.3791, 11.2350,
1.0418


 21.3791, 11.2350,
1.0418


 21.3793, 11.2357,
1.0419

 21.8355, 11.9600,
1.7738

 22.6593, 13.2359,
3.1944

 23.9290, 15.1533,
5.5348

 25.6959, 17.7816,
8.9156

 28.0046, 21.1813,
13.4392

■ 30.8946, 25.4065,
19.1956

■ 34.4016, 30.5064,
26.2659

■ 38.5587, 36.5262,
34.7243

■ 43.3962, 43.5083,
44.6393

Harmonies

Analogous

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



25.5490, 11.2350, 7.2619



21.3791, 11.2350, 1.0418



14.7415, 11.2350, 0.0000

Triad

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



21.3791, 11.2350, 1.0418



3.2961, 11.2350, 4.4966



12.8565, 11.2350, 76.6664

Complementary

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



21.3791, 11.2350, 1.0418



25.0101, 35.1495, 54.1810

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.



7.4404, 11.2350, 72.5925



21.3791, 11.2350, 1.0418



3.1053, 11.2350, 19.0729

Square

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



21.3791, 11.2350, 1.0418



4.9897, 11.2350, 0.4269



4.3210, 11.2350, 46.4448



19.5826, 11.2350, 55.0407

Rectangle

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



21.3791, 11.2350, 1.0418



10.5429, 11.2350, 0.0000



4.3210, 11.2350, 46.4448



10.8153, 11.2350, 78.5390

Sweetspot

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



21.3793, 11.2357, 1.0419



62.0052, 54.7947, 46.9172



29.2040, 14.1347, 42.9581



12.9942, 11.1296, 9.0466



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.



21.3793, 11.2357, 1.0419



38.6812, 20.2376, 1.8675



26.5625, 21.6021, 2.7697



9.5813, 9.6386, 9.9321



14.2381, 7.5150, 0.7001



0.5759, 0.3307, 0.0335

Inverse Universe

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



25.0101, 35.1495, 54.1810



45.2469, 63.5457, 98.1599



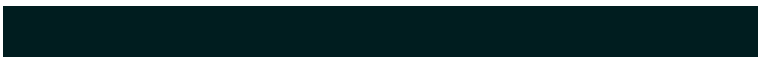
12.3367, 9.8028, 49.9566



9.7511, 10.6944, 12.2225



16.6539, 23.4195, 36.0356



0.6693, 0.9513, 1.4172

Previews

White Background



This preview shows how the XYZ color 21.3791, 11.2350, 1.0418 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 21.3791, 11.2350, 1.0418

Background



This preview shows how black text looks on a background with the XYZ color 21.3791, 11.2350, 1.0418.



This preview shows how white text looks on a background with the XYZ color 21.3791, 11.2350,

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

21.3791, 11.2350, 1.0418

Protanopia

10.5321, 11.6198, 2.5519

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

21.1867, 11.2197, 1.0490

Trichromacy



Original Color

21.3791, 11.2350, 1.0418

Protanomaly

12.5157, 9.3342, 1.5940

Deuteranomaly

13.6316, 9.6660, 1.1473

Tritanomaly

21.1716, 11.1894, 1.0439

Monochromacy



Original Color

21.3791, 11.2350, 1.0418

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.7690, 5.3519, 2.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3791, 11.2350, 1.0418 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(190, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 13, 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(190, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3791, 11.2350, 1.0418 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(190, 13, 0) }
```


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

```
.border{ border-color:rgb(190, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3791, 11.2350, 1.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 13, 0) }
```

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

```
.background{ background-color: rgb(190, 13,  
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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