

Converting Colors

XYZ(21.9856, 11.9793, 1.4701)

Have a look what the booklet for
XYZ(21.9856, 11.9793, 1.4701)
contains.

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Color

**XYZ(21.9856, 11.9793,
1.4701)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1D0B
RGB	191, 29, 11
RGB Percent	75%, 11%, 4%
CMY	0.2510, 0.8862, 0.9569
CMYK	0.00, 0.85, 0.94, 0.25
HSL	6°, 89%, 40%
HSV	6°, 94%, 75%
XYZ	21.9856, 11.9793, 1.4701
YIQ	75.3860, 102.3300, 28.7460

Conversions

Conversions Part 2

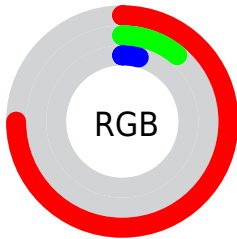
Format	Color
RYB	191, 31, 11
Decimal	12524811
CIELab	41.18, 60.45, 50.97
CIElCh	41, 79.068, 40.136
Yxy	11.9793, 0.6204, 0.3381
Android (android.graphics.Color)	4290714891 (0xFFBF1D0B)
YUV	75.3860, -31.7423, 101.3935
Hunter-Lab	34.6111, 52.8169, 21.7095

Details

The XYZ color **21.9856, 11.9793, 1.4701** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **24.4821, 33.7130, 54.5066**, and the grayscale version is **6.8021, 7.1563, 7.7932**.

A 20% lighter version of the original color is **45.8828, 29.2405, 7.5007**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.7205, 11.5460, 1.0838**, and if you desaturate by 10%, it is **22.7064, 13.1407, 2.5748**.

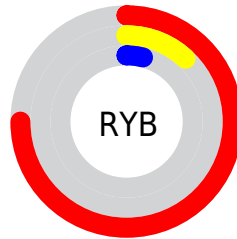
Distribution



Red (75%)

Green (11%)

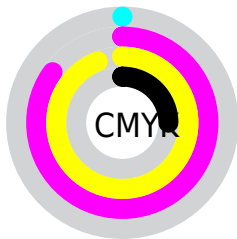
Blue (4%)



Red (75%)

Yellow (12%)

Blue (4%)

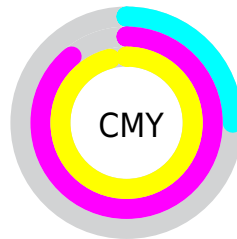


Cyan (0%)

Magenta (85%)

Yellow (94%)

Black (25%)



Cyan (25%)


Magenta (89%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9856, 11.9793, 1.4701 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 21.9856, 11.9793, 1.4701 by changing the saturation by 10% instead.


 21.9856, 11.9793,
1.4701


 21.9856, 11.9793,
1.4701


 255.1048,
204.2682, 113.5143

 13.9629, 6.7296,
0.1955


 46.2012, 29.4574,
7.5337


 8.1764, 3.2936,
0.0000


 63.1248, 42.4546,
13.3459


 4.2608, 1.2868,
0.0000

 83.7461, 58.8030,
21.5699

 1.8507, 0.1310,
0.0000

 108.4304, 78.8871,
32.6241

 0.5479, 0.0000,
0.0000

 137.5430,
103.0913, 46.9271

 0.0000, 0.0000,
0.0000

 171.4494,

131.8000, 64.8975

210.5149,
165.3975, 86.9537

21.9856, 11.9793,
1.4701

21.9856, 11.9793,
1.4701

21.7205, 11.5460,
1.0838

22.7064, 13.1407,
2.5748

23.8437, 14.8986,
4.5471

25.4498, 17.3204,
7.5191

27.5687, 20.4635,
11.5999

30.2394, 24.3795,
16.8847

■ 33.4971, 29.1148,
23.4583

■ 37.3740, 34.7126,
31.3978

■ 41.9001, 41.2126,
40.7743

■ 47.1032, 48.6523,
51.6540

Harmonies

Analogous

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



25.9372, 11.9793, 8.2635



21.9856, 11.9793, 1.4701



15.5298, 11.9793, 0.0000

Triad

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



21.9856, 11.9793, 1.4701



3.8769, 11.9793, 5.0221



13.4253, 11.9793, 74.7405

Complementary

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



21.9856, 11.9793, 1.4701



24.4821, 33.7130, 54.5066

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.



8.0538, 11.9793, 70.4163



21.9856, 11.9793, 1.4701



3.6471, 11.9793, 19.3823

Square

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



21.9856, 11.9793, 1.4701



5.6826, 11.9793, 0.7381



4.8953, 11.9793, 45.5315



20.0105, 11.9793, 54.7512

Rectangle

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



21.9856, 11.9793, 1.4701



11.3600, 11.9793, 0.0000



4.8953, 11.9793, 45.5315



11.4120, 11.9793, 76.3196

Sweetspot

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



21.9859, 11.9801, 1.4703



63.8805, 57.7640, 49.9506



29.1481, 14.3327, 40.7650



13.3765, 11.7436, 9.6379



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.



21.9859, 11.9801, 1.4703



38.8238, 20.5228, 1.9151



28.1429, 24.2941, 3.5226



9.6050, 9.6859, 9.9400



14.3029, 7.6447, 0.7217



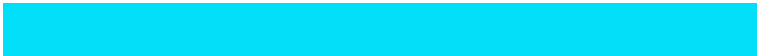
0.5863, 0.3516, 0.0370

Inverse Universe

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



24.4821, 33.7130, 54.5066



43.1213, 59.2944, 97.4514



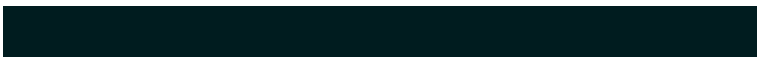
12.6352, 10.0193, 50.5576



9.7248, 10.6419, 12.2137



15.8941, 21.9000, 35.7823



0.6464, 0.9056, 1.4096

Previews

White Background



This preview shows how the XYZ color 21.9856, 11.9793, 1.4701 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 21.9856, 11.9793, 1.4701 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 21.9856, 11.9793, 1.4701

Background



This preview shows how black text looks on a background with the XYZ color 21.9856, 11.9793, 1.4701.



This preview shows how white text looks on a background with the XYZ color 21.9856, 11.9793,

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

21.9856, 11.9793, 1.4701

Protanopia

11.2152, 12.3823, 2.8358

Deuteranopia

12.3149, 12.2905, 1.7232



Tritanopia

22.0766, 11.9771, 2.0679

Trichromacy



Original Color

21.9856, 11.9793, 1.4701

Protanomaly

13.3994, 10.5272, 2.0352

Deuteranomaly

14.4248, 10.6850, 1.4170

Tritanomaly

22.0274, 11.9574, 1.8089

Monochromacy



Original Color

21.9856, 11.9793, 1.4701

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.4690, 7.0560, 4.1117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9856, 11.9793, 1.4701 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, 29, 11)` looks like.

```
.text, #text, p{  
    color:rgb(191, 29, 11)  
}
```

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, 29, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 29, 11) }
```

Border

The CSS property to change the border of an element to XYZ 21.9856, 11.9793, 1.4701 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, 29, 11) }
```


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

```
.border{ border-color:rgb(191, 29, 11) }
```

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

Here you see how a box with a 4 pixel rgb(191, 29, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 29, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 29, 11);  
box-shadow:4px 4px 4px 4px rgb(191, 29,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9856, 11.9793, 1.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 29, 11) }
```

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

```
.background{ background-color: rgb(191, 29,  
11) }
```

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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