

Converting Colors

XYZ(21.8333, 11.6444, 1.5123)

Have a look what the booklet for
XYZ(21.8333, 11.6444, 1.5123)
contains.

XYZ(21.8333, 11.6444, 1.5123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.8333, 11.6444,
1.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	BF150E
RGB	191, 21, 14
RGB Percent	75%, 8%, 5%
CMY	0.2510, 0.9176, 0.9451
CMYK	0.00, 0.89, 0.93, 0.25
HSL	2°, 86%, 40%
HSV	2°, 93%, 75%
XYZ	21.8333, 11.6444, 1.5123
YIQ	71.0320, 103.5670, 33.8630

Conversions

Conversions Part 2

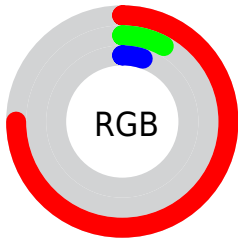
Format	Color
RYB	191, 21, 14
Decimal	12522766
CIELab	40.65, 62.06, 49.59
CIELCh	41, 79.436, 38.628
Yxy	11.6444, 0.6240, 0.3328
Android (android.graphics.Color)	4290712846 (0xFFBF150E)
YUV	71.0320, -28.1168, 105.2119
Hunter-Lab	34.1239, 54.4919, 21.2591

Details

The XYZ color **21.8333, 11.6444, 1.5123** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.7209, 38.1266, 55.2407**, and the grayscale version is **6.0303, 6.3443, 6.9089**.

A 20% lighter version of the original color is **45.6819, 28.7526, 7.6995**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.5679, 11.2408, 1.0329**, and if you desaturate by 10%, it is **22.4992, 12.6617, 2.7043**.

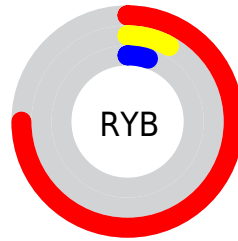
Distribution



Red (75%)

Green (8%)

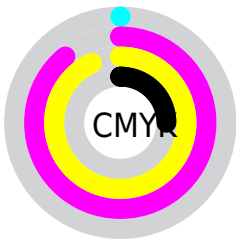
Blue (5%)



Red (75%)

Yellow (8%)

Blue (5%)

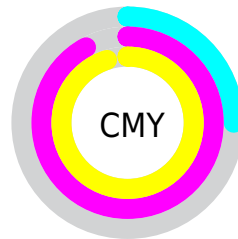


Cyan (0%)

Magenta (89%)

Yellow (93%)

Black (25%)



Cyan (25%)


Magenta (92%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8333, 11.6444, 1.5123 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 21.8333, 11.6444, 1.5123 by changing the saturation by 10% instead.


 21.8333, 11.6444,
1.5123


 21.8333, 11.6444,
1.5123


 254.3232,
202.0367, 114.2740


 13.8504, 6.5020,
0.2271


 45.9512, 28.8458,
7.6586

 8.0977, 3.1527,
0.0000


 62.8170, 41.6736,
13.5287

 4.2098, 1.2120,
0.0000

 83.3743, 57.8320,
21.8214

 1.8215, 0.0714,
0.0000

 107.9887, 77.7053,
32.9554

 0.5306, 0.0000,
0.0000


 137.0254,
101.6781, 47.3491


 0.0000, 0.0000,
0.0000


 170.8498,


130.1347, 65.4210


 209.8273,
163.4594, 87.5898


 21.8333, 11.6444,
1.5123

 21.8333, 11.6444,
1.5123


 21.5679, 11.2408,
1.0329

 22.4992, 12.6617,
2.7043

 23.6084, 14.3226,
4.7928

 25.2205, 16.7107,
7.9081

 27.3858, 19.8964,
12.1594

 30.1484, 23.9420,
17.6418

■ 33.5480, 28.9035,
24.4405

■ 37.6209, 34.8322,
32.6331

■ 42.4006, 41.7756,
42.2910

■ 47.9184, 49.7781,
53.4811

Harmonies

Analogous

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



25.5516, 11.6444, 8.5809



21.8333, 11.6444, 1.5123



15.4895, 11.6444, 0.0000

Triad

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



21.8333, 11.6444, 1.5123



3.7481, 11.6444, 4.4161



12.7686, 11.6444, 74.4561

Complementary

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



21.8333, 11.6444, 1.5123



26.7209, 38.1266, 55.2407

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.



7.5793, 11.6444, 68.8194



21.8333, 11.6444, 1.5123



3.4546, 11.6444, 17.9092

Square

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



21.8333, 11.6444, 1.5123



5.6010, 11.6444, 0.5608



4.5918, 11.6444, 43.4574



19.2735, 11.6444, 55.4573

Rectangle

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



21.8333, 11.6444, 1.5123



11.3284, 11.6444, 0.0000



4.5918, 11.6444, 43.4574



10.8110, 11.6444, 75.5723

Sweetspot

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



21.8335, 11.6451, 1.5125



63.0177, 56.0384, 49.6630



30.4102, 14.8974, 47.2267



13.1731, 11.3369, 9.5701



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.



21.8335, 11.6451, 1.5125



38.5878, 20.0509, 1.8364



26.9698, 21.9177, 3.2245



9.5597, 9.5954, 9.9249



14.1883, 7.4154, 0.6835



0.5663, 0.3115, 0.0303

Inverse Universe

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



26.7209, 38.1266, 55.2407



47.2826, 67.6170, 98.8385



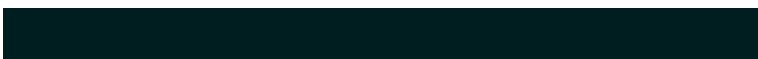
13.8228, 12.3306, 50.9414



9.7753, 10.7429, 12.2306



17.3805, 24.8727, 36.2778



0.6910, 0.9946, 1.4244

Previews

White Background



This preview shows how the XYZ color 21.8333, 11.6444, 1.5123 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 21.8333, 11.6444, 1.5123

Background



This preview shows how black text looks on a background with the XYZ color 21.8333, 11.6444, 1.5123.



This preview shows how white text looks on a background with the XYZ color 21.8333, 11.6444,

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

21.8333, 11.6444, 1.5123

Protanopia

10.9087, 12.0803, 2.9851

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.8402, 11.6472, 1.5490

Trichromacy



Original Color

21.8333, 11.6444, 1.5123

Protanomaly

13.0025, 9.9352, 2.0965

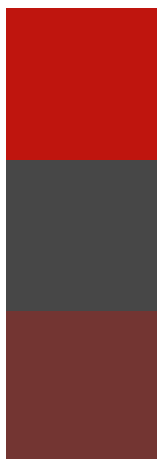
Deuteranomaly

14.2473, 10.3212, 1.3848

Tritanomaly

21.8402, 11.6472, 1.5490

Monochromacy



Original Color

21.8333, 11.6444, 1.5123

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.9191, 6.4213, 3.7870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8333, 11.6444, 1.5123 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, 21, 14)` looks like.

```
.text, #text, p{  
    color:rgb(191, 21, 14)  
}
```

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, 21, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 21, 14) }
```

Border

The CSS property to change the border of an element to XYZ 21.8333, 11.6444, 1.5123 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, 21, 14) }
```


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

```
.border{ border-color:rgb(191, 21, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 21, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 21, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 21, 14);  
box-shadow:4px 4px 4px 4px rgb(191, 21,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8333, 11.6444, 1.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 21, 14) }
```

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

```
.background{ background-color: rgb(191, 21,  
14) }
```

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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