

Converting Colors

XYZ(21.3255, 12.6776, 4.4864)

Have a look what the booklet for
XYZ(21.3255, 12.6776, 4.4864)
contains.

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Color

**XYZ(21.3098, 12.6739,
4.4551)**

Conversions

Conversions Part 1

Format	Color
Hex	B73333
RGB	183, 51, 51
RGB Percent	72%, 20%, 20%
CMY	0.2824, 0.8000, 0.8000
CMYK	0.00, 0.72, 0.72, 0.28
HSL	0°, 56%, 46%
HSV	0°, 72%, 72%
XYZ	21.3098, 12.6739, 4.4551
YIQ	90.4680, 78.6720, 27.9840

Conversions

Conversions Part 2

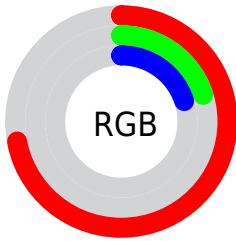
Format	Color
RYB	183, 51, 51
Decimal	12006195
CIELab	42.27, 52.60, 31.54
CIELCh	42, 61.330, 30.953
Yxy	12.6739, 0.5544, 0.3297
Android (android.graphics.Color)	4290196275 (0xFFB73333)
YUV	90.4680, -19.4577, 81.1506
Hunter-Lab	35.6004, 44.5463, 17.5006

Details

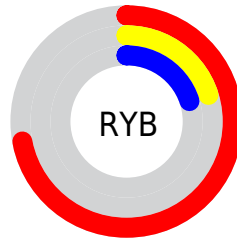
The XYZ color **21.3098, 12.6739, 4.4551** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.8442, 37.9861, 50.7167**, and the grayscale version is **9.8543, 10.3675, 11.2902**.

A 20% lighter version of the original color is **45.0148, 30.6024, 15.0896**, and **8.0644, 4.1529, 0.5776** is the 20% darker color. If you saturate the color by 10%, you get **20.3345, 11.2470, 2.5161**, and if you desaturate by 10%, it is **22.7589, 14.7948, 7.3354**.

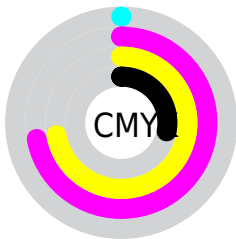
Distribution



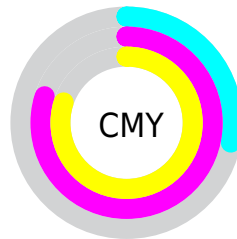
- Red (72%)
- Green (20%)
- Blue (20%)



- Red (72%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (72%)
- Yellow (72%)
- Black (28%)





- Cyan (28%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3098, 12.6739, 4.4551 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 21.3098, 12.6739, 4.4551 by changing the saturation by 10% instead.


 21.3098, 12.6739,
4.4551


 21.3098, 12.6739,
4.4551


251.6210,
208.8170, 153.1569


 13.4644, 7.2044,
1.8782


 45.0900, 30.7167,
15.0465


 7.8283, 3.5902,
0.4788


 61.7554, 44.0587,
23.8980

 4.0362, 1.4471,
0.0000

 82.0916, 60.7937,
35.6781

 1.7226, 0.2511,
0.0000

 106.4639, 81.3061,
50.8054

 0.4704, 0.0000,
0.0000

 135.2376,
105.9802, 69.6984

 0.0000, 0.0000,
0.0000

 168.7782,

135.2005, 92.7756

207.4508,
169.3513, 120.4556

■ 21.3098, 12.6739,
4.4551

■ 21.3098, 12.6739,
4.4551

■ 20.3345, 11.2470,
2.5161

■ 22.7589, 14.7948,
7.3354

■ 19.7730, 10.4253,
1.4000

■ 24.7308, 17.6802,
11.2551

■ 19.5285, 10.0675,
0.9140

■ 27.2689, 21.3943,
16.3008

■ 30.4123, 25.9940,
22.5497

■ 34.1964, 31.5312,
30.0723

■ 38.6539, 38.0538,
38.9337

■ 43.8154, 45.6064,
49.1945

■ 49.7093, 54.2308,
60.9116

■ 56.3628, 63.9667,
74.1387

Harmonies

Analogous

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



23.1995, 12.6739, 13.3837



21.3098, 12.6739, 4.4551



16.8590, 12.6739, 1.3992

Triad

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



21.3098, 12.6739, 4.4551



5.8611, 12.6739, 4.8065



12.1935, 12.6739, 57.6333

Complementary

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



21.3098, 12.6739, 4.4551



26.8442, 37.9861, 50.7167

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.



8.2494, 12.6739, 49.7841



21.3098, 12.6739, 4.4551



5.2016, 12.6739, 14.2243

Square

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



21.3098, 12.6739, 4.4551



8.0535, 12.6739, 1.4925



5.9523, 12.6739, 31.3075



17.1790, 12.6739, 48.8022

Rectangle

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



21.3098, 12.6739, 4.4551



13.4878, 12.6739, 0.8605



5.9523, 12.6739, 31.3075



10.7111, 12.6739, 56.8307

Sweetspot

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



21.3101, 12.6746, 4.4553



61.0745, 56.2218, 53.5191



29.2594, 15.8538, 46.3175



13.0618, 11.7918, 10.9705



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3101, 12.6746, 4.4553



35.7061, 19.1001, 3.0893



26.4872, 23.0288, 6.1810



9.0047, 9.0123, 9.3719



13.6235, 7.0233, 0.6376



0.4803, 0.2476, 0.0225

Inverse Universe

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



26.8442, 37.9861, 50.7167



46.1919, 67.0597, 90.7450



16.2737, 16.8453, 47.1933



9.2667, 10.2106, 11.5619



17.7742, 26.0080, 35.3363



0.6266, 0.9169, 1.2457

Previews

White Background



This preview shows how the XYZ color 21.3098, 12.6739, 4.4551 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 21.3098, 12.6739, 4.4551 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 21.3098, 12.6739, 4.4551

Background



This preview shows how black text looks on a background with the XYZ color 21.3098, 12.6739, 4.4551.



This preview shows how white text looks on a background with the XYZ color 21.3098, 12.6739,

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

21.3098, 12.6739, 4.4551

Protanopia

12.0037, 12.9759, 7.3408

Deuteranopia

13.0764, 12.9001, 4.0863



Tritanopia

21.3549, 12.6920, 4.6924

Trichromacy



Original Color

21.3098, 12.6739, 4.4551

Protanomaly

14.1161, 11.7686, 6.0850

Deuteranomaly

15.2159, 12.0456, 4.1078

Tritanomaly

21.3321, 12.6829, 4.5725

Monochromacy



Original Color

21.3098, 12.6739, 4.4551

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

12.2011, 9.9758, 8.1199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3098, 12.6739, 4.4551 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(183, 51, 51)` looks like.

```
.text, #text, p{  
    color:rgb(183, 51, 51)  
}
```

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(183, 51, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 51, 51) }
```

Border

The CSS property to change the border of an element to XYZ 21.3098, 12.6739, 4.4551 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(183, 51, 51) }
```


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

```
.border{ border-color:rgb(183, 51, 51) }
```

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

Here you see how a box with a 4 pixel rgb(183, 51, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 51, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 51, 51);  
box-shadow:4px 4px 4px 4px rgb(183, 51,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3098, 12.6739, 4.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 51, 51) }
```

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

```
.background{ background-color: rgb(183, 51,  
51) }
```

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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