

Converting Colors

XYZ(22.4928, 11.4864, 5.9796)

Have a look what the booklet for
XYZ(22.4928, 11.4864, 5.9796)
contains.

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Color

**XYZ(22.4400, 11.4580,
6.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	BF0041
RGB	191, 0, 65
RGB Percent	75%, 0%, 25%
CMY	0.2510, 0.9999, 0.7451
CMYK	0.00, 1.00, 0.66, 0.25
HSL	340°, 100%, 37%
HSV	340°, 100%, 75%
XYZ	22.4400, 11.4580, 6.0299
YIQ	64.5190, 92.9710, 60.7070

Conversions

Conversions Part 2

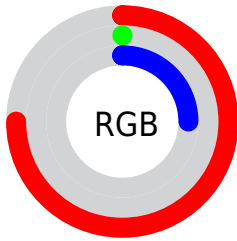
Format	Color
R_{YB}	191, 0, 65
Decimal	12517441
CIE _{Lab}	40.34, 66.18, 20.91
CIE _{LCh}	40, 69.401, 17.532
Yxy	11.4580, 0.5620, 0.2870
Android (android.graphics.Color)	4290707521 (0xFFBF0041)
YUV	64.5190, 0.2371, 110.9238
Hunter-Lab	33.8497, 59.0963, 13.1330

Details

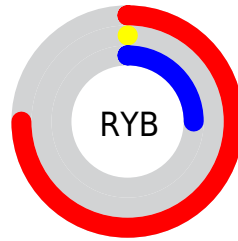
The XYZ color **22.4400, 11.4580, 6.0299** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.3992, 38.7689, 26.0527**, and the grayscale version is **4.9439, 5.2014, 5.6643**.

A 20% lighter version of the original color is **46.8909, 28.4272, 18.3448**, and **9.2181, 4.7331, 1.2919** is the 20% darker color. If you saturate the color by 10%, you get **22.4392, 11.4577, 6.0265**, and if you desaturate by 10%, it is **23.0818, 12.0910, 8.2504**.

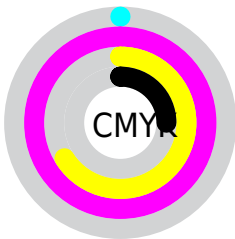
Distribution



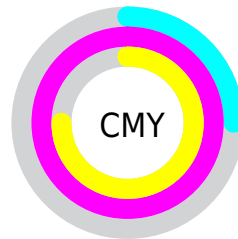
- Red (75%)
- Green (0%)
- Blue (25%)



- Red (75%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4400, 11.4580, 6.0299 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 22.4400, 11.4580, 6.0299 by changing the saturation by 10% instead.


 22.4400, 11.4580,
6.0299


 22.4400, 11.4580,
6.0299


257.4249,
200.7833, 168.6531


 14.2990, 6.3758,
2.7942


 46.9456, 28.5040,
18.4717


 8.4120, 3.0749,
0.9905


 64.0409, 41.2366,
28.5148

 4.4137, 1.1710,
0.0000

 84.8517, 57.2882,
41.6641

 1.9387, 0.0378,
0.0000

 109.7433, 77.0430,
58.3382

 0.5992, 0.0000,
0.0000

 139.0810,
100.8855, 78.9557

 0.0000, 0.0000,
0.0000

 173.2303,

129.2002, 103.9349

212.5565,
162.3713, 133.6945

■ 22.4400, 11.4580,
6.0299

■ 22.4400, 11.4580,
6.0299

■ 22.4392, 11.4577,
6.0265

■ 23.0818, 12.0910,
8.2504

■ 24.0406, 13.2192,
11.0031

■ 25.4040, 15.0111,
14.3397

■ 27.2183, 17.5525,
18.2967

■ 29.5233, 20.9161,
22.9071

■ 32.3538, 25.1661,
28.2010

■ 35.7417, 30.3601,
34.2067

■ 39.7161, 36.5510,
40.9506

■ 44.3038, 43.7875,
48.4577

Harmonies

Analogous

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



22.7876, 11.4580, 19.1848



22.4400, 11.4580, 6.0299



18.4890, 11.4580, 1.3201

Triad

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



22.4400, 11.4580, 6.0299



5.3530, 11.4580, 1.7303



8.9966, 11.4580, 61.0339

Complementary

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



22.4400, 11.4580, 6.0299



22.3992, 38.7689, 26.0527

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.



5.7247, 11.4580, 44.4221



22.4400, 11.4580, 6.0299



4.0812, 11.4580, 7.5476

Square

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



22.4400, 11.4580, 6.0299



8.3130, 11.4580, 0.2361



4.1932, 11.4580, 22.3890



13.9522, 11.4580, 59.2884

Rectangle

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



22.4400, 11.4580, 6.0299



14.8625, 11.4580, 0.3790



4.1932, 11.4580, 22.3890



7.6978, 11.4580, 57.0901

Sweetspot

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



22.4403, 11.4587, 6.0301



63.6907, 53.8758, 60.7040



17.7399, 8.0595, 49.9106



13.3944, 10.9200, 12.2929



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.



22.4403, 11.4587, 6.0301



40.0874, 20.4803, 10.2581



21.9175, 11.9395, 1.1504



9.6605, 9.5885, 10.6012



14.7810, 7.5436, 4.1406



0.6101, 0.3080, 0.3263

Inverse Universe

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



22.4403, 11.4587, 6.0301



40.0874, 20.4803, 10.2581



22.3873, 29.7276, 53.8481



9.6605, 9.5885, 10.6012



14.7810, 7.5436, 4.1406



0.6101, 0.3080, 0.3263

Previews

White Background



This preview shows how the XYZ color 22.4400, 11.4580, 6.0299 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 22.4400, 11.4580, 6.0299

Background



This preview shows how black text looks on a background with the XYZ color 22.4400, 11.4580, 6.0299.



This preview shows how white text looks on a background with the XYZ color 22.4400, 11.4580,

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

22.4400, 11.4580, 6.0299

Protanopia

11.6415, 12.1032, 12.7889

Deuteranopia

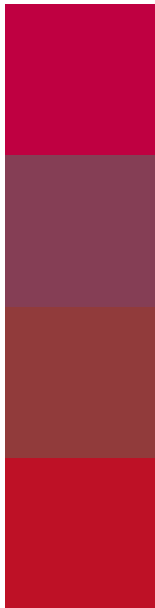
12.2359, 12.0362, 5.4197



Tritanopia

21.7593, 11.7478, 1.9313

Trichromacy



Original Color

22.4400, 11.4580, 6.0299

Protanomaly

13.0352, 9.0877, 9.6614

Deuteranomaly

14.0304, 9.4634, 5.2248

Tritanomaly

21.7855, 11.4880, 2.9029

Monochromacy



Original Color

22.4400, 11.4580, 6.0299

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.3026, 5.3470, 5.5955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4400, 11.4580, 6.0299 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, 0, 65)` looks like.

```
.text, #text, p{  
  color:rgb(191, 0, 65)  
}
```

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, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 22.4400, 11.4580, 6.0299 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, 0, 65) }
```


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

```
.border{ border-color:rgb(191, 0, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4400, 11.4580, 6.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 65) }
```

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

```
.background{ background-color: rgb(191, 0,  
65) }
```

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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