

Converting Colors

XYZ(27.3061, 18.6264, 5.1956)

Have a look what the booklet for
XYZ(27.3061, 18.6264, 5.1956)
contains.

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Color

**XYZ(27.2222, 18.5589,
5.1651)**

Conversions

Conversions Part 1

Format	Color
Hex	C75332
RGB	199, 83, 50
RGB Percent	78%, 33%, 20%
CMY	0.2196, 0.6745, 0.8039
CMYK	0.00, 0.58, 0.75, 0.22
HSL	13°, 60%, 49%
HSV	13°, 75%, 78%
XYZ	27.2222, 18.5589, 5.1651
YIQ	113.9220, 79.7290, 14.3290

Conversions

Conversions Part 2

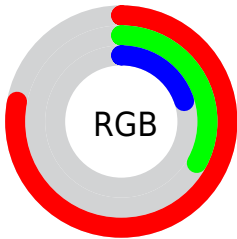
Format	Color
R_{YB}	199, 92, 50
Decimal	13062962
CIE _{Lab}	50.17, 44.38, 41.68
CIE _{LCh}	50, 60.885, 43.204
Yxy	18.5589, 0.5343, 0.3643
Android (android.graphics.Color)	4291253042 (0xFFC75332)
YUV	113.9220, -31.5135, 74.6134
Hunter-Lab	43.0800, 37.4038, 23.0474

Details

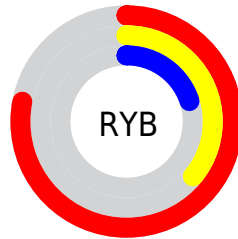
The XYZ color **27.2222, 18.5589, 5.1651** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **25.2593, 32.0719, 58.8917**, and the grayscale version is **16.0463, 16.8819, 18.3844**.

A 20% lighter version of the original color is **52.2488, 39.7502, 16.4740**, and **10.9370, 6.2886, 0.7235** is the 20% darker color. If you saturate the color by 10%, you get **25.8266, 16.3122, 3.0224**, and if you desaturate by 10%, it is **29.0700, 21.4120, 8.3788**.

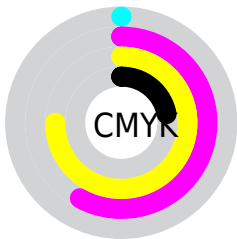
Distribution



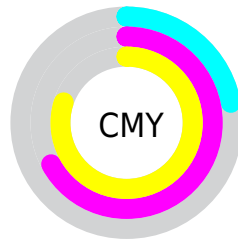
- Red (78%)
- Green (33%)
- Blue (20%)



- Red (78%)
- Yellow (36%)
- Blue (20%)



- Cyan (0%)
- Magenta (58%)
- Yellow (75%)
- Black (22%)





- Cyan (22%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2222, 18.5589, 5.1651 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 27.2222, 18.5589, 5.1651 by changing the saturation by 10% instead.


 27.2222, 18.5589,
5.1651

 27.2222, 18.5589,
5.1651


280.8793,
244.0027, 160.4082


 17.8776, 11.3520,
2.2840


 54.6576, 40.9874,
16.6184


 10.9613, 6.3041,
0.7222


 73.4791, 56.9778,
26.0276

 6.1079, 3.0309,
0.0000


 96.1903, 76.6648,
38.4501

 2.9521, 1.1479,
0.0000

 123.1566,
100.4328, 54.3042

 1.1285, 0.0185,
0.0000

 154.7433,
128.6662, 74.0085

 0.0487, 0.0000,
0.0000

 191.3157,

 0.0000, 0.0000,

161.7494, 97.9816

0.0000

233.2393,
200.0667, 126.6420

■ 27.2222, 18.5589,
5.1651

■ 27.2222, 18.5589,
5.1651

■ 25.8266, 16.3122,
3.0224

■ 29.0700, 21.4120,
8.3788

■ 24.8380, 14.6225,
1.8063

■ 31.4063, 24.9094,
12.7813

■ 24.4568, 13.9495,
1.4035

■ 34.2652, 29.0892,
18.4755

■ 37.6771, 33.9860,
25.5532

■ 41.6697, 39.6315,
34.0974

■ 46.2693, 46.0558,
44.1849

■ 51.5001, 53.2872,
55.8868

■ 57.3852, 61.3527,
69.2699

■ 63.9465, 70.2777,
84.3973

Harmonies

Analogous

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



31.0823, 18.5589, 13.6815



27.2222, 18.5589, 5.1651



21.1096, 18.5589, 2.3639

Triad

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



27.2222, 18.5589, 5.1651



8.8843, 18.5589, 12.2260



20.3480, 18.5589, 70.9070

Complementary

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



27.2222, 18.5589, 5.1651



25.2593, 32.0719, 58.8917

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.



14.5725, 18.5589, 69.7019



27.2222, 18.5589, 5.1651



8.7688, 18.5589, 28.5353

Square

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



27.2222, 18.5589, 5.1651



10.9809, 18.5589, 4.6088



10.6199, 18.5589, 51.4353



26.5590, 18.5589, 54.1552

Rectangle

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



27.2222, 18.5589, 5.1651



17.0158, 18.5589, 2.0599



10.6199, 18.5589, 51.4353



18.2787, 18.5589, 72.7816

Sweetspot

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



27.2226, 18.5599, 5.1654



74.9128, 72.1301, 63.9461



31.6426, 17.2029, 38.0748



15.5845, 14.8075, 12.7090



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.2226, 18.5599, 5.1654



44.0287, 26.5480, 3.7519



36.1492, 36.4131, 8.1409



10.8212, 11.0116, 11.1179



15.7807, 9.0786, 0.9206



0.8030, 0.5414, 0.0622

Inverse Universe

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



25.2593, 32.0719, 58.8917



40.0947, 50.6958, 102.2798



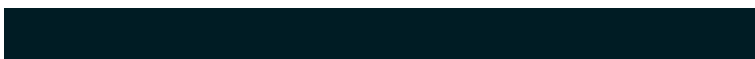
15.4702, 12.4937, 55.6287



10.7397, 11.6535, 13.6008



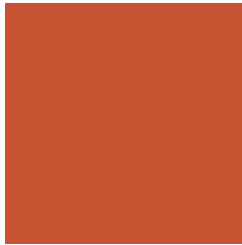
14.2244, 17.8428, 37.4387



0.7242, 0.9462, 1.7896

Previews

White Background



This preview shows how the XYZ color 27.2222, 18.5589, 5.1651 looks on a white 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

Black Background



This preview shows how the XYZ color 27.2222, 18.5589, 5.1651 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2222, 18.5589, 5.1651

Background



This preview shows how black text looks on a background with the XYZ color 27.2222, 18.5589, 5.1651.



This preview shows how white text looks on a background with the XYZ color 27.2222, 18.5589,

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

27.2222, 18.5589, 5.1651

Protanopia

17.0745, 18.6754, 7.1197

Deuteranopia

19.0129, 18.6858, 4.7951



Tritanopia

28.2156, 18.5114, 10.4734

Trichromacy



Original Color

27.2222, 18.5589, 5.1651

Protanomaly

19.7065, 17.8787, 6.2832

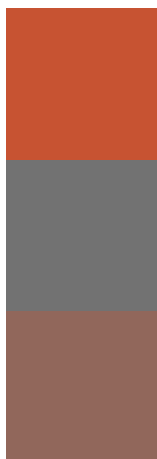
Deuteranomaly

21.4724, 18.2148, 4.8667

Tritanomaly

27.8578, 18.4846, 8.2305

Monochromacy



Original Color

27.2222, 18.5589, 5.1651

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.4156, 16.4756, 12.1070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2222, 18.5589, 5.1651 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(199, 83, 50)` looks like.

```
.text, #text, p{  
    color:rgb(199, 83, 50)  
}
```

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(199, 83, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 83, 50) }
```

Border

The CSS property to change the border of an element to XYZ 27.2222, 18.5589, 5.1651 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(199, 83, 50) }
```


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

```
.border{ border-color:rgb(199, 83, 50) }
```

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

Here you see how a box with a 4 pixel rgb(199, 83, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 83, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 83, 50);  
box-shadow:4px 4px 4px 4px rgb(199, 83,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2222, 18.5589, 5.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 83, 50) }
```

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

```
.background{ background-color: rgb(199, 83,  
50) }
```

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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