

# Converting Colors

XYZ(28.0371, 27.9308, 4.5753)

Have a look what the booklet for  
XYZ(28.0371, 27.9308, 4.5753)  
contains.

<b>XYZ(28.0371, 27.9308, 4.5753)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(28.0371, 27.9308,  
4.5753)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B48A14
RGB	180, 138, 20
RGB Percent	71%, 54%, 8%
CMY	0.2941, 0.4588, 0.9215
CMYK	0.00, 0.23, 0.89, 0.29
HSL	44°, 80%, 39%
HSV	44°, 89%, 71%
XYZ	28.0371, 27.9308, 4.5753
YIQ	137.1060, 62.9100, -27.7940

# Conversions

## Conversions Part 2

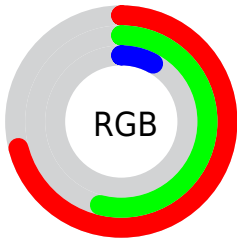
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 180, 20
Decimal	11831828
CIE Lab	59.83, 6.00, 61.20
CIE LCh	60, 61.497, 84.399
Yxy	27.9308, 0.4631, 0.4613
Android (android.graphics.Color)	4290021908 (0xFFB48A14)
YUV	137.1060, -57.7333, 37.6180
Hunter-Lab	52.8496, 2.2088, 31.8619

# Details

The XYZ color **28.0371, 27.9308, 4.5753** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.2494, 6.8893, 43.9691**, and the grayscale version is **24.0138, 25.2644, 27.5130**.

A 20% lighter version of the original color is **55.9773, 56.3514, 15.3237**, and **11.5984, 11.2823, 1.5664** is the 20% darker color. If you saturate the color by 10%, you get **27.2592, 26.5596, 3.7474**, and if you desaturate by 10%, it is **28.9541, 29.4070, 5.9844**.

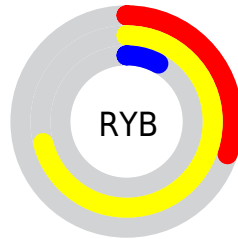
# Distribution



Red (71%)

Green (54%)

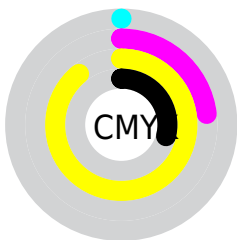
Blue (8%)



Red (30%)

Yellow (71%)

Blue (8%)

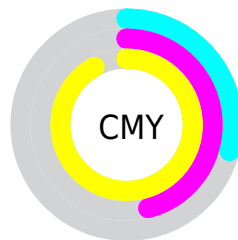


Cyan (0%)

Magenta (23%)

Yellow (89%)

Black (29%)



Cyan (29%)

Magenta (46%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0371, 27.9308, 4.5753 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 28.0371, 27.9308, 4.5753 by changing the saturation by 10% instead.



■ 28.0371, 27.9308,  
4.5753

■ 28.0371, 27.9308,  
4.5753

284.7210,  
292.1361, 154.4200

■ 18.4942, 18.2735,  
1.9460

■ 55.9519, 56.3739,  
15.3162

■ 11.4072, 11.1465,  
0.5217

■ 75.0545, 75.9286,  
24.2649

■ 6.4107, 6.1655,  
0.0000

■ 98.0745, 99.5511,  
36.1571

■ 3.1394, 2.9460,  
0.0000

■ 125.3770,  
127.6259, 51.4114

■ 1.2279, 1.1036,  
0.0000

■ 157.3276,  
160.5375, 70.4463

■ 0.1282, 0.0000,  
0.0000

■ 194.2916,

■ 0.0000, 0.0000,

198.6701, 93.6803

0.0000

236.6343,  
242.4081, 121.5320

28.0371, 27.9308,  
4.5753

28.0371, 27.9308,  
4.5753

27.2592, 26.5596,  
3.7474

28.9541, 29.4070,  
5.9844

27.1761, 26.4110,  
3.6655

30.0406, 30.9978,  
8.1421

31.3157, 32.7122,  
11.1433

32.7948, 34.5572,  
15.0684

34.4918, 36.5388,  
19.9884

■ 36.4192, 38.6626,  
25.9673

■ 38.5884, 40.9335,  
33.0638

■ 41.0099, 43.3565,  
41.3320

■ 43.6939, 45.9360,  
50.8228

# Harmonies

## Analogous

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



36.2614, 27.9308, 7.1617



28.0371, 27.9308, 4.5753



20.8259, 27.9308, 5.6801

# Triad

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



28.0371, 27.9308, 4.5753



15.1053, 27.9308, 51.8078



40.6908, 27.9308, 62.8614

# Complementary

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



28.0371, 27.9308, 4.5753



10.2494, 6.8893, 43.9691

# 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.



33.2311, 27.9308, 88.6295



28.0371, 27.9308, 4.5753



18.7445, 27.9308, 80.3545

# Square

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



28.0371, 27.9308, 4.5753



14.2521, 27.9308, 26.4123



25.1114, 27.9308, 96.2391



44.4281, 27.9308, 34.7962



# Rectangle

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



28.0371, 27.9308, 4.5753



17.3827, 27.9308, 8.8996



25.1114, 27.9308, 96.2391



38.4725, 27.9308, 72.5357

# Sweetspot

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



28.0377, 27.9322, 4.5758



66.5691, 70.6738, 48.7900



19.9605, 10.5590, 5.6407



14.1203, 14.9874, 9.6924



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.0377, 27.9322, 4.5758



49.0771, 47.4904, 6.5799



27.7176, 38.5027, 6.6330



9.0046, 9.5216, 9.0158



19.0243, 18.5472, 2.5773



0.6430, 0.6723, 0.0959



# Inverse Universe

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



10.2494, 6.8893, 43.9691



16.6373, 9.3744, 79.2272



10.1951, 4.6756, 43.5446



8.2173, 8.5809, 10.7295



6.5139, 3.8282, 30.5326

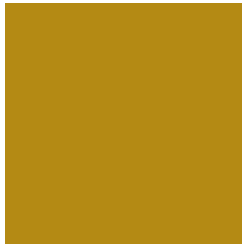


0.2536, 0.2177, 0.9769



# Previews

## White Background



This preview shows how the XYZ color 28.0371, 27.9308, 4.5753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

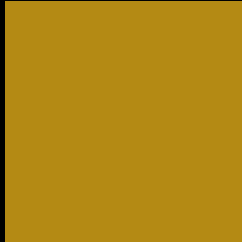
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.0371, 27.9308, 4.5753 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 28.0371, 27.9308, 4.5753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0371, 27.9308, 4.5753.



This preview shows how white text looks on a background with the XYZ color 28.0371, 27.9308,



# 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

28.0371, 27.9308, 4.5753

### Protanopia

25.3745, 28.0953, 4.8446

### Deuteranopia

28.3724, 27.8905, 4.5975



## Tritanopia

32.8001, 27.8381, 27.6893

# Trichromacy



## Original Color

28.0371, 27.9308, 4.5753

## Protanomaly

26.1705, 27.8352, 4.7029

## Deuteranomaly

28.1371, 27.7692, 4.5865

## Tritanomaly

30.0840, 27.5191, 14.5526

# Monochromacy



## Original Color

28.0371, 27.9308, 4.5753

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

24.1029, 25.4718, 14.2359

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0371, 27.9308, 4.5753 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(180, 138, 20)` looks like.

```
.text, #text, p{  
    color:rgb(180, 138, 20)  
}
```

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(180, 138, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 138, 20) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0371, 27.9308, 4.5753 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(180, 138, 20) }
```



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

```
.border{ border-color:rgb(180, 138, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 138, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 138, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 138, 20);  
box-shadow:4px 4px 4px 4px rgb(180, 138,  
20) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0371, 27.9308, 4.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 138, 20) }
```

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

```
.background{ background-color: rgb(180,  
138, 20) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor