

Converting Colors

XYZ(27.6071, 27.5768, 6.2311)

Have a look what the booklet for
XYZ(27.6071, 27.5768, 6.2311)
contains.

XYZ(27.6746, 27.7059, 6.2720)	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(27.6746, 27.7059,
6.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	B18A2C
RGB	177, 138, 44
RGB Percent	69%, 54%, 17%
CMY	0.3059, 0.4588, 0.8274
CMYK	0.00, 0.22, 0.75, 0.31
HSL	42°, 60%, 43%
HSV	42°, 75%, 69%
XYZ	27.6746, 27.7059, 6.2720
YIQ	138.9450, 53.4180, -20.9660

Conversions

Conversions Part 2

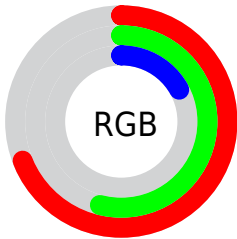
Format	Color
R_{YB}	99, 177, 44
Decimal	11635244
CIE _{Lab}	59.62, 5.44, 53.14
CIE _{LCh}	60, 53.420, 84.154
Yxy	27.7059, 0.4489, 0.4494
Android (android.graphics.Color)	4289825324 (0xFFB18A2C)
YUV	138.9450, -46.8079, 33.3742
Hunter-Lab	52.6364, 1.7361, 29.7807

Details

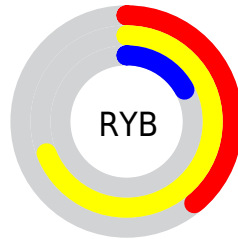
The XYZ color **27.6746, 27.7059, 6.2720** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.0677, 9.8960, 42.8689**, and the grayscale version is **24.6802, 25.9655, 28.2765**.

A 20% lighter version of the original color is **55.3342, 55.9390, 18.9472**, and **11.2355, 10.9725, 1.5257** is the 20% darker color. If you saturate the color by 10%, you get **26.6835, 26.1475, 4.6357**, and if you desaturate by 10%, it is **28.8444, 29.3950, 8.6683**.

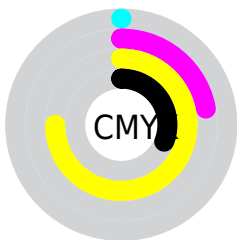
Distribution



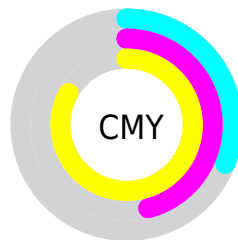
- Red (69%)
- Green (54%)
- Blue (17%)



- Red (39%)
- Yellow (69%)
- Blue (17%)



- Cyan (0%)
- Magenta (22%)
- Yellow (75%)
- Black (31%)





- Cyan (31%)
- Magenta (46%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6746, 27.7059, 6.2720 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 27.6746, 27.7059, 6.2720 by changing the saturation by 10% instead.


 27.6746, 27.7059,
6.2720


 27.6746, 27.7059,
6.2720


283.0171,
291.0589, 170.8642


 18.2197, 18.1041,
2.9397


 55.3768, 56.0146,
18.9802


 11.2085, 11.0247,
1.0639


 74.3548, 75.4902,
29.1933


 6.2756, 6.0835,
0.0000


 97.2379, 99.0259,
42.5369

 3.0556, 2.8959,
0.0000

 124.3914,
127.0060, 59.4298

 1.1832, 1.0776,
0.0000

 156.1808,
159.8150, 80.2905

 0.0931, 0.0000,
0.0000

 192.9713,

 0.0000, 0.0000,

197.8372, 105.5374

0.0000

235.1283,
241.4570, 135.5891

■ 27.6746, 27.7059,
6.2720

■ 27.6746, 27.7059,
6.2720

■ 26.6835, 26.1475,
4.6357

■ 28.8444, 29.3950,
8.6683

■ 25.8489, 24.7067,
3.6535

■ 30.2076, 31.2180,
11.9078

■ 25.4781, 24.0404,
3.2974

■ 31.7792, 33.1828,
16.0644

■ 33.5721, 35.2953,
21.2034

■ 35.5978, 37.5610,
27.3844

■ 37.8673, 39.9847,
34.6618

■ 40.3906, 42.5713,
43.0865

■ 43.1771, 45.3253,
52.7061

■ 46.2357, 48.2508,
63.5656

Harmonies

Analogous

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



34.6667, 27.7059, 8.9875



27.6746, 27.7059, 6.2720



21.3832, 27.7059, 7.4058

Triad

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



27.6746, 27.7059, 6.2720



16.1985, 27.7059, 48.0253



38.2845, 27.7059, 57.5084

Complementary

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



27.6746, 27.7059, 6.2720



12.0677, 9.8960, 42.8689

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.



31.9946, 27.7059, 78.2255



27.6746, 27.7059, 6.2720



19.4559, 27.7059, 71.3109

Square

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



27.6746, 27.7059, 6.2720



15.4395, 27.7059, 26.5454



25.0367, 27.7059, 84.1314



41.4275, 27.7059, 34.1039

Rectangle

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



27.6746, 27.7059, 6.2720



18.3052, 27.7059, 10.6173



25.0367, 27.7059, 84.1314



36.4212, 27.7059, 65.3578

Sweetspot

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



27.6752, 27.7073, 6.2725



64.4328, 68.0083, 51.1771



20.6286, 11.7872, 9.5553



13.6693, 14.4170, 10.1692



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.6752, 27.7073, 6.2725



46.8037, 45.1553, 7.0570



28.8282, 38.1481, 8.2271



8.9824, 9.4774, 9.0084



18.5142, 17.5270, 2.4072



0.6300, 0.6465, 0.0916

Inverse Universe

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



12.0677, 9.8960, 42.8689



17.6975, 12.1317, 75.9042



11.4060, 6.3005, 42.2098



8.2383, 8.6227, 10.7365



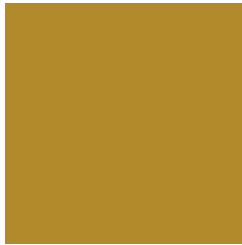
6.6828, 4.1660, 30.5889



0.2621, 0.2347, 0.9797

Previews

White Background



This preview shows how the XYZ color 27.6746, 27.7059, 6.2720 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 27.6746, 27.7059, 6.2720 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 27.6746, 27.7059, 6.2720

Background



This preview shows how black text looks on a background with the XYZ color 27.6746, 27.7059, 6.2720.



This preview shows how white text looks on a background with the XYZ color 27.6746, 27.7059,

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

27.6746, 27.7059, 6.2720

Protanopia

25.1643, 27.7208, 6.6091

Deuteranopia

28.2417, 27.7841, 6.3570



Tritanopia

32.0389, 27.6319, 28.0709

Trichromacy



Original Color

27.6746, 27.7059, 6.2720

Protanomaly

26.0830, 27.7510, 6.4644

Deuteranomaly

28.0097, 27.6645, 6.3461

Tritanomaly

29.8060, 27.3258, 16.8002

Monochromacy



Original Color

27.6746, 27.7059, 6.2720

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.8682, 26.2370, 16.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6746, 27.7059, 6.2720 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(177, 138, 44)` looks like.

```
.text, #text, p{  
    color:rgb(177, 138, 44)  
}
```

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(177, 138, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 138, 44) }
```

Border

The CSS property to change the border of an element to XYZ 27.6746, 27.7059, 6.2720 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(177, 138, 44) }
```


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

```
.border{ border-color:rgb(177, 138, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 138, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 138, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 138, 44);  
box-shadow:4px 4px 4px 4px rgb(177, 138,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6746, 27.7059, 6.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 138, 44) }
```

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

```
.background{ background-color: rgb(177,  
138, 44) }
```

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