

Converting Colors

XYZ(17.8135, 28.5998, 6.5644)

Have a look what the booklet for
XYZ(17.8135, 28.5998, 6.5644)
contains.

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Color

**XYZ(17.7946, 28.5717,
6.5845)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA328
RGB	91, 163, 40
RGB Percent	36%, 64%, 16%
CMY	0.6431, 0.3608, 0.8431
CMYK	0.44, 0.00, 0.75, 0.36
HSL	95°, 61%, 40%
HSV	95°, 75%, 64%
XYZ	17.7946, 28.5717, 6.5845
YIQ	127.4500, -3.4290, -53.5170

Conversions

Conversions Part 2

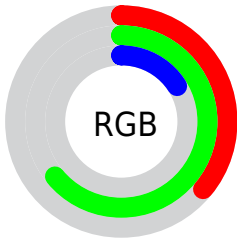
Format	Color
RYB	40, 163, 112
Decimal	6005544
CIELab	60.40, -43.28, 53.22
CIELCh	60, 68.602, 129.118
Yxy	28.5717, 0.3361, 0.5396
Android (android.graphics.Color)	4284195624 (0xFF5BA328)
YUV	127.4500, -43.1129, -31.9667
Hunter-Lab	53.4525, -34.1184, 30.1132

Details

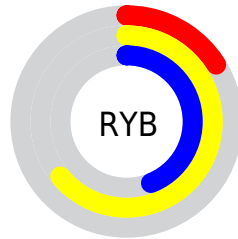
The XYZ color **17.7946, 28.5717, 6.5845** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **14.0532, 7.6076, 35.3796**, and the grayscale version is **20.4734, 21.5396, 23.4566**.

A 20% lighter version of the original color is **39.3845, 57.6742, 19.6461**, and **6.1716, 11.4589, 1.8865** is the 20% darker color. If you saturate the color by 10%, you get **16.6923, 28.0299, 5.3787**, and if you desaturate by 10%, it is **19.1348, 29.2244, 8.4130**.

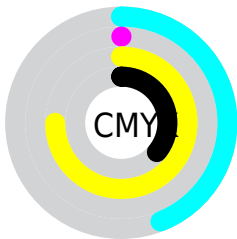
Distribution



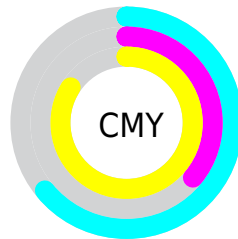
- Red (36%)
- Green (64%)
- Blue (16%)



- Red (16%)
- Yellow (64%)
- Blue (44%)



- Cyan (44%)
- Magenta (0%)
- Yellow (75%)
- Black (36%)



- Cyan (64%)
- Magenta (36%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7946, 28.5717, 6.5845 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 17.7946, 28.5717, 6.5845 by changing the saturation by 10% instead.

■ 17.7946, 28.5717,
6.5845

■ 17.7946, 28.5717,
6.5845

232.7788,
295.1887, 173.6629

■ 10.9014, 18.7571,
3.1292

■ 39.2198, 57.3959,
19.6308

■ 6.0674, 11.4949,
1.1610

■ 54.4826, 77.1743,
30.0588

■ 2.9271, 6.4007,
0.0000

■ 73.2660, 101.0426,
43.6480

■ 1.1154, 3.0902,
0.0000

■ 95.9353, 129.3854,
60.8172

■ 0.0379, 1.1790,
0.0000

■ 122.8558,
162.5870, 81.9847

■ 0.0000, 0.0445,
0.0000

■ 154.3930,

■ 0.0000, 0.0000,

201.0319, 107.5691

0.0000

190.9122,
245.1043, 137.9890

■ 17.7946, 28.5717,
6.5845

■ 17.7946, 28.5717,
6.5845

■ 16.6923, 28.0299,
5.3787

■ 19.1348, 29.2244,
8.4130

■ 15.8046, 27.5863,
4.7043

■ 20.7283, 29.9918,
10.9315

■ 15.4526, 27.4095,
4.4761

■ 22.5910, 30.8817,
14.2005

■ 24.7371, 31.9001,
18.2737

■ 27.1794, 33.0526,
23.1997

■ 29.9298, 34.3445,
29.0231

■ 32.9998, 35.7806,
35.7857

■ 36.3998, 37.3656,
43.5263

■ 40.1402, 39.1039,
52.2820

Harmonies

Analogous

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



24.5549, 28.5717, 3.5666



17.7946, 28.5717, 6.5845



14.1859, 28.5717, 16.8020

Triad

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



17.7946, 28.5717, 6.5845



21.5453, 28.5717, 102.2026



47.5963, 28.5717, 24.0255

Complementary

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



17.7946, 28.5717, 6.5845



14.0532, 7.6076, 35.3796

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.



46.2996, 28.5717, 51.8495



17.7946, 28.5717, 6.5845



29.9358, 28.5717, 108.0070

Square

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



17.7946, 28.5717, 6.5845



16.0028, 28.5717, 72.9551



39.3331, 28.5717, 86.1083



42.5664, 28.5717, 9.4164

Rectangle

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



17.7946, 28.5717, 6.5845



13.4763, 28.5717, 30.3677



39.3331, 28.5717, 86.1083



47.9058, 28.5717, 31.8638

Sweetspot

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



17.7953, 28.5729, 6.5851



49.6292, 59.6415, 43.5327



21.2551, 19.4742, 4.6465



10.7840, 13.2246, 9.0262



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.7953, 28.5729, 6.5851



28.7089, 49.6065, 8.6802



14.5543, 26.8792, 7.4676



7.2508, 8.0318, 7.5482



12.0584, 21.3268, 3.4809



0.3065, 0.4755, 0.0756

Inverse Universe

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



14.0532, 7.6076, 35.3796



21.5572, 10.0924, 62.8680



21.5933, 11.5965, 31.1306



7.0790, 7.0551, 8.8917



8.8921, 3.9905, 27.2314



0.2388, 0.1106, 0.5746

Previews

White Background



This preview shows how the XYZ color 17.7946, 28.5717, 6.5845 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 17.7946, 28.5717, 6.5845 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 17.7946, 28.5717, 6.5845

Background



This preview shows how black text looks on a background with the XYZ color 17.7946, 28.5717, 6.5845.



This preview shows how white text looks on a background with the XYZ color 17.7946, 28.5717,

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

17.7946, 28.5717, 6.5845

Protanopia

25.5330, 28.1587, 5.6795

Deuteranopia

28.7421, 28.2397, 7.0679



Tritanopia

24.3595, 28.4518, 39.3298

Trichromacy



Original Color

17.7946, 28.5717, 6.5845

Protanomaly

21.8787, 27.9084, 5.9840

Deuteranomaly

23.1596, 27.3686, 6.7513

Tritanomaly

20.8118, 27.9924, 21.7589

Monochromacy



Original Color

17.7946, 28.5717, 6.5845

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.3831, 23.1598, 14.3279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7946, 28.5717, 6.5845 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(91, 163, 40)` looks like.

```
.text, #text, p{  
    color:rgb(91, 163, 40)  
}
```

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(91, 163, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 163, 40) }
```

Border

The CSS property to change the border of an element to XYZ 17.7946, 28.5717, 6.5845 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(91, 163, 40) }
```


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

```
.border{ border-color:rgb(91, 163, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 163, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 163, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 163, 40);  
box-shadow:4px 4px 4px 4px rgb(91, 163,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7946, 28.5717, 6.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 163, 40) }
```

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

```
.background{ background-color: rgb(91, 163,  
40) }
```

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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