

Converting Colors

XYZ(17.9136, 29.2481, 6.5007)

Have a look what the booklet for
XYZ(17.9136, 29.2481, 6.5007)
contains.

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Color

**XYZ(17.8295, 29.1249,
6.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	58A526
RGB	88, 165, 38
RGB Percent	35%, 65%, 15%
CMY	0.6549, 0.3529, 0.8510
CMYK	0.47, 0.00, 0.77, 0.35
HSL	96°, 63%, 40%
HSV	96°, 77%, 65%
XYZ	17.8295, 29.1249, 6.5157
YIQ	127.4990, -5.1250, -55.8210

Conversions

Conversions Part 2

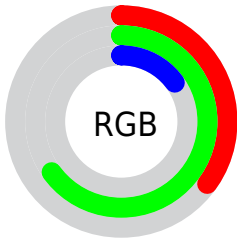
Format	Color
R_{YB}	38, 165, 115
Decimal	5809446
CIE _{Lab}	60.89, -45.21, 54.34
CIE _{LCh}	61, 70.689, 129.756
Yxy	29.1249, 0.3334, 0.5447
Android (android.graphics.Color)	4283999526 (0xFF58A526)
YUV	127.4990, -44.1230, -34.6406
Hunter-Lab	53.9675, -35.4712, 30.6189

Details

The XYZ color **17.8295, 29.1249, 6.5157** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.5565, 7.7487, 36.3273**, and the grayscale version is **20.4942, 21.5615, 23.4804**.

A 20% lighter version of the original color is **39.3338, 58.4325, 19.5614**, and **6.2202, 11.8080, 1.9513** is the 20% darker color. If you saturate the color by 10%, you get **16.7373, 28.5870, 5.3700**, and if you desaturate by 10%, it is **19.1711, 29.7795, 8.2902**.

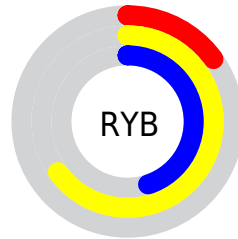
Distribution



Red (35%)

Green (65%)

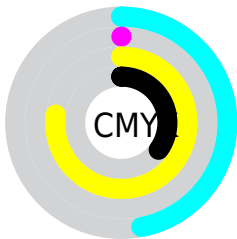
Blue (15%)



Red (15%)

Yellow (65%)

Blue (45%)

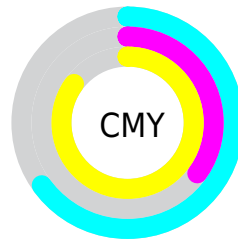


Cyan (47%)

Magenta (0%)

Yellow (77%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8295, 29.1249, 6.5157 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 17.8295, 29.1249, 6.5157 by changing the saturation by 10% instead.

■ 17.8295, 29.1249,
6.5157

■ 17.8295, 29.1249,
6.5157

232.9725,
297.8038, 173.0519

■ 10.9266, 19.1753,
3.0873

■ 39.2789, 58.2755,
19.4881

■ 6.0844, 11.7970,
1.1394

■ 54.5562, 78.2453,
29.8692

■ 2.9376, 6.6056,
0.0000

■ 73.3556, 102.3239,
43.4049

■ 1.1209, 3.2167,
0.0000

■ 96.0425, 130.8958,
60.5138

■ 0.0425, 1.2459,
0.0000

■ 122.9823,
164.3453, 81.6144

■ 0.0000, 0.0987,
0.0000

■ 154.5403,

■ 0.0000, 0.0000,

203.0569, 107.1252

0.0000

191.0819,
247.4150, 137.4649

■ 17.8295, 29.1249,
6.5157

■ 17.8295, 29.1249,
6.5157

■ 16.7373, 28.5870,
5.3700

■ 19.1711, 29.7795,
8.2902

■ 15.8664, 28.1510,
4.7412

■ 20.7788, 30.5552,
10.7648

■ 15.6328, 28.0338,
4.5871

■ 22.6699, 31.4604,
14.0033

■ 24.8597, 32.5017,
18.0617

■ 27.3619, 33.6852,
22.9908

■ 30.1895, 35.0164,
28.8374

■ 33.3546, 36.5006,
35.6447

■ 36.8687, 38.1430,
43.4534

■ 40.7427, 39.9483,
52.3017

Harmonies

Analogous

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



24.7879, 29.1249, 3.3879



17.8295, 29.1249, 6.5157



14.1675, 29.1249, 17.1988

Triad

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



17.8295, 29.1249, 6.5157



21.9947, 29.1249, 107.0873



49.0653, 29.1249, 23.8691

Complementary

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



17.8295, 29.1249, 6.5157



14.5565, 7.7487, 36.3273

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.



47.8483, 29.1249, 52.7021



17.8295, 29.1249, 6.5157



30.7937, 29.1249, 112.5802

Square

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



17.8295, 29.1249, 6.5157



16.1761, 29.1249, 76.4739



40.6254, 29.1249, 88.8805



43.6541, 29.1249, 9.0756

Rectangle

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



17.8295, 29.1249, 6.5157



13.4790, 29.1249, 31.4969



40.6254, 29.1249, 88.8805



49.4412, 29.1249, 31.9282

Sweetspot

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



17.8302, 29.1262, 6.5163



50.7287, 61.1396, 44.6933



21.9080, 20.2204, 4.5824



10.7235, 13.1934, 9.0233



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.



17.8302, 29.1262, 6.5163



28.8890, 50.6529, 8.7903



14.8463, 27.5601, 7.6351



7.2370, 8.0247, 7.5476



11.8788, 21.2342, 3.4725



0.3018, 0.4731, 0.0754

Inverse Universe

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



14.5565, 7.7487, 36.3273



22.6205, 10.5569, 64.5978



21.9034, 11.6632, 30.9331



7.0931, 7.0624, 8.8924



9.1748, 4.1362, 27.2446



0.2436, 0.1131, 0.5748

Previews

White Background



This preview shows how the XYZ color 17.8295, 29.1249, 6.5157 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 17.8295, 29.1249, 6.5157 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 17.8295, 29.1249, 6.5157

Background



This preview shows how black text looks on a background with the XYZ color 17.8295, 29.1249, 6.5157.



This preview shows how white text looks on a background with the XYZ color 17.8295, 29.1249,

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

17.8295, 29.1249, 6.5157

Protanopia

25.8632, 28.5601, 5.5884

Deuteranopia

29.3368, 28.7628, 7.0232



Tritanopia

24.6229, 29.0525, 40.3863

Trichromacy



Original Color

17.8295, 29.1249, 6.5157

Protanomaly

21.8479, 28.1381, 5.8698

Deuteranomaly

23.2958, 27.6730, 6.6984

Tritanomaly

20.9235, 28.5523, 21.8611

Monochromacy



Original Color

17.8295, 29.1249, 6.5157

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.4005, 23.3867, 14.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8295, 29.1249, 6.5157 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(88, 165, 38)` looks like.

```
.text, #text, p{  
    color:rgb(88, 165, 38)  
}
```

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(88, 165, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 38) }
```

Border

The CSS property to change the border of an element to XYZ 17.8295, 29.1249, 6.5157 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(88, 165, 38) }
```


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

```
.border{ border-color:rgb(88, 165, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 165, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 165, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 165, 38);  
box-shadow:4px 4px 4px 4px rgb(88, 165,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8295, 29.1249, 6.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 165, 38) }
```

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

```
.background{ background-color: rgb(88, 165,  
38) }
```

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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