

Converting Colors

XYZ(17.5771, 28.6299, 7.8480)

Have a look what the booklet for
XYZ(17.5771, 28.6299, 7.8480)
contains.

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Color

**XYZ(17.6416, 28.7301,
7.8645)**

Conversions

Conversions Part 1

Format	Color
Hex	55A434
RGB	85, 164, 52
RGB Percent	33%, 64%, 20%
CMY	0.6667, 0.3569, 0.7961
CMYK	0.48, 0.00, 0.68, 0.36
HSL	102°, 52%, 42%
HSV	102°, 68%, 64%
XYZ	17.6416, 28.7301, 7.8645
YIQ	127.6110, -11.1320, -51.5800

Conversions

Conversions Part 2

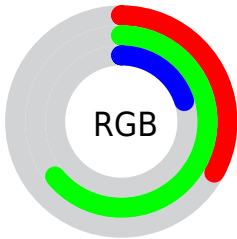
Format	Color
R_{YB}	52, 164, 131
Decimal	5612596
CIE _{Lab}	60.54, -44.71, 48.68
CIE _{LCh}	61, 66.097, 132.568
Yxy	28.7301, 0.3253, 0.5297
Android (android.graphics.Color)	4283802676 (0xFF55A434)
YUV	127.6110, -37.2762, -37.3698
Hunter-Lab	53.6005, -35.0508, 28.8210

Details

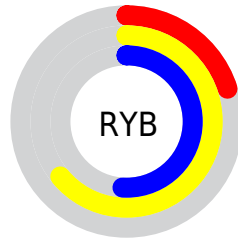
The XYZ color **17.6416, 28.7301, 7.8645** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.2904, 9.9626, 36.1351**, and the grayscale version is **20.5114, 21.5796, 23.5002**.

A 20% lighter version of the original color is **39.0764, 57.8486, 22.2031**, and **6.0153, 11.5395, 1.9103** is the 20% darker color. If you saturate the color by 10%, you get **16.3689, 28.1104, 6.2006**, and if you desaturate by 10%, it is **19.2157, 29.4921, 10.2135**.

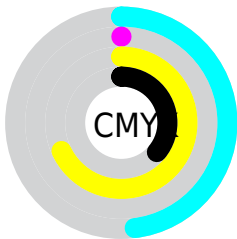
Distribution



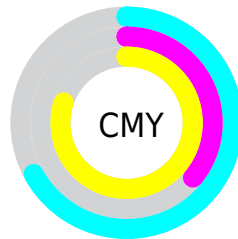
- Red (33%)
- Green (64%)
- Blue (20%)



- Red (20%)
- Yellow (64%)
- Blue (51%)



- Cyan (48%)
- Magenta (0%)
- Yellow (68%)
- Black (36%)





- Cyan (67%)
- Magenta (36%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6416, 28.7301, 7.8645 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 17.6416, 28.7301, 7.8645 by changing the saturation by 10% instead.


 17.6416, 28.7301,
7.8645


 17.6416, 28.7301,
7.8645


231.9280,
295.9394, 184.5601


 10.7911, 18.8767,
3.9218


 38.9606, 57.6480,
22.2341


 5.9928, 11.5812,
1.5826


 54.1597, 77.4813,
33.4982


 2.8813, 6.4592,
0.2783


 72.8725, 101.4101,
48.0398

 1.0913, 3.1263,
0.0000

 95.4643, 129.8187,
66.2775

 0.0178, 1.1980,
0.0000

 122.3003,
163.0915, 88.6299

 0.0000, 0.0601,
0.0000

 153.7460,

 0.0000, 0.0000,

201.6130, 115.5154

0.0000

190.1668,
245.7675, 147.3526

■ 17.6416, 28.7301,
7.8645

■ 17.6416, 28.7301,
7.8645

■ 16.3689, 28.1104,
6.2006

■ 19.2157, 29.4921,
10.2135

■ 15.3733, 27.6195,
5.1461

■ 21.1090, 30.4016,
13.3092

■ 14.6213, 27.2438,
4.5685

■ 23.3401, 31.4677,
17.2083

■ 14.5100, 27.1882,
4.4831

■ 25.9253, 32.6979,
21.9617

■ 28.8800, 34.0991,
27.6159

■ 32.2187, 35.6777,
34.2142

■ 35.9549, 37.4398,
41.7969

■ 40.1015, 39.3913,
50.4022

■ 44.6709, 41.5377,
60.0661

Harmonies

Analogous

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



23.8893, 28.7301, 4.1779



17.6416, 28.7301, 7.8645



14.4511, 28.7301, 19.2084

Triad

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



17.6416, 28.7301, 7.8645



22.6796, 28.7301, 100.9678



46.6623, 28.7301, 22.1287

Complementary

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



17.6416, 28.7301, 7.8645



17.2904, 9.9626, 36.1351

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.



46.1489, 28.7301, 47.5815



17.6416, 28.7301, 7.8645



31.0362, 28.7301, 103.2396

Square

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



17.6416, 28.7301, 7.8645



16.9157, 28.7301, 75.0669



39.9817, 28.7301, 80.2372



41.2652, 28.7301, 9.0425

Rectangle

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



17.6416, 28.7301, 7.8645



13.9740, 28.7301, 33.4357



39.9817, 28.7301, 80.2372



47.2029, 28.7301, 29.2232

Sweetspot

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



17.6423, 28.7313, 7.8651



51.2449, 61.3365, 47.8465



23.9668, 24.2136, 6.6598



10.8850, 13.2586, 9.8481



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.



17.6423, 28.7313, 7.8651



28.7021, 50.5269, 10.1210



15.9421, 27.7821, 11.0724



7.1726, 7.9914, 7.5446



11.1678, 20.8677, 3.4393



0.2797, 0.4617, 0.0744

Inverse Universe

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



17.2904, 9.9626, 36.1351



27.8667, 14.0162, 64.9890



21.3914, 12.2903, 26.6801



7.1601, 7.0969, 8.8955



10.6774, 4.9109, 27.3149



0.2680, 0.1257, 0.5760

Previews

White Background



This preview shows how the XYZ color 17.6416, 28.7301, 7.8645 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 17.6416, 28.7301, 7.8645 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 17.6416, 28.7301, 7.8645

Background



This preview shows how black text looks on a background with the XYZ color 17.6416, 28.7301, 7.8645.



This preview shows how white text looks on a background with the XYZ color 17.6416, 28.7301,

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

17.6416, 28.7301, 7.8645

Protanopia

25.7427, 28.2426, 6.7839

Deuteranopia

28.7532, 28.2172, 8.3459



Tritanopia

24.0999, 28.5389, 40.3148

Trichromacy



Original Color

17.6416, 28.7301, 7.8645

Protanomaly

21.7743, 27.8291, 7.1297

Deuteranomaly

22.8745, 27.1927, 8.0461

Tritanomaly

20.7956, 28.1913, 23.7475

Monochromacy



Original Color

17.6416, 28.7301, 7.8645

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

18.5072, 23.4146, 15.6006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6416, 28.7301, 7.8645 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(85, 164, 52)` looks like.

```
.text, #text, p{  
    color:rgb(85, 164, 52)  
}
```

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(85, 164, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 164, 52) }
```

Border

The CSS property to change the border of an element to XYZ 17.6416, 28.7301, 7.8645 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(85, 164, 52) }
```


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

```
.border{ border-color:rgb(85, 164, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 164, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 164, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 164, 52);  
box-shadow:4px 4px 4px 4px rgb(85, 164,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6416, 28.7301, 7.8645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 164, 52) }
```

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

```
.background{ background-color: rgb(85, 164,  
52) }
```

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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