

Converting Colors

XYZ(28.0586, 46.6474, 17.8043)

Have a look what the booklet for
XYZ(28.0586, 46.6474, 17.8043)
contains.

XYZ(28.1215, 46.6771, 17.8834)	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(28.1215, 46.6771,
17.8834)**

Conversions

Conversions Part 1

Format	Color
Hex	5BCD5D
RGB	91, 205, 93
RGB Percent	36%, 80%, 36%
CMY	0.6431, 0.1961, 0.6353
CMYK	0.56, 0.00, 0.55, 0.20
HSL	121°, 53%, 58%
HSV	121°, 56%, 80%
XYZ	28.1215, 46.6771, 17.8834
YIQ	158.1460, -31.9920, -59.0000

Conversions

Conversions Part 2

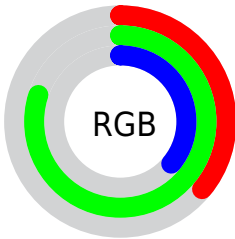
Format	Color
RYB	91, 203, 205
Decimal	6016349
CIELab	73.98, -54.68, 45.61
CIElCh	74, 71.211, 140.167
Yxy	46.6771, 0.3034, 0.5036
Android (android.graphics.Color)	4284206429 (0xFF5BCD5D)
YUV	158.1460, -32.1170, -58.8870
Hunter-Lab	68.3206, -46.0886, 32.3049

Details

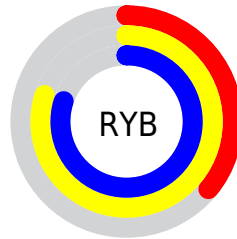
The XYZ color **28.1215, 46.6771, 17.8834** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **39.6987, 24.7738, 59.1902**, and the grayscale version is **32.7183, 34.4222, 37.4858**.

A 20% lighter version of the original color is **53.5260, 80.0794, 39.8299**, and **11.5036, 22.0743, 5.7523** is the 20% darker color. If you saturate the color by 10%, you get **25.5923, 45.4645, 13.7062**, and if you desaturate by 10%, it is **31.4398, 48.2721, 23.3256**.

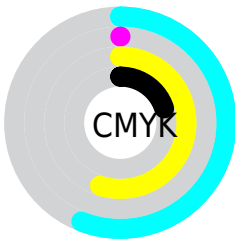
Distribution



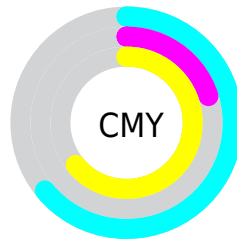
- Red (36%)
- Green (80%)
- Blue (36%)



- Red (36%)
- Yellow (80%)
- Blue (80%)



- Cyan (56%)
- Magenta (0%)
- Yellow (55%)
- Black (20%)



- Cyan (64%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1215, 46.6771, 17.8834 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 28.1215, 46.6771, 17.8834 by changing the saturation by 10% instead.

■ 28.1215, 46.6771,
17.8834

■ 28.1215, 46.6771,
17.8834

285.1166,
373.5242, 252.4270

■ 18.5582, 32.7805,
10.6977

■ 56.0857, 85.2314,
40.6498

■ 11.4536, 21.9583,
5.7524

■ 75.2172, 110.6579,
57.0676

■ 6.4423, 13.8263,
2.6287

■ 98.2689, 140.6965,
77.3999

■ 3.1591, 7.9999,
0.9072

■ 125.6060,
175.7315, 102.0651

■ 1.2384, 4.0949,
0.0000

157.5940,
216.1474, 131.4819

■ 0.1364, 1.7268,
0.0000

194.5982,

■ 0.0000, 0.4409,

262.3285, 166.0688

0.0000

236.9840,
314.6593, 206.2443

■ 0.0000, 0.0000,
0.0000

■ 28.1215, 46.6771,
17.8834

■ 28.1215, 46.6771,
17.8834

■ 25.5923, 45.4645,
13.7062

■ 31.4398, 48.2721,
23.3256

■ 23.7839, 44.5971,
10.6894

■ 35.6015, 50.2715,
30.1202

■ 22.6219, 44.0405,
8.7168

■ 40.6602, 52.7024,
38.3506

■ 22.0140, 43.7502,
7.6466

■ 46.6639, 55.5880,
48.0922

■ 21.8520, 43.6724,
7.3813

■ 53.6574, 58.9499,
59.4157

■ 61.6825, 62.8082,
72.3868

■ 70.7786, 67.1819,
87.0678

■ 80.9818, 72.0883,
103.5176

■ 81.1222, 72.1445,
104.2574

Harmonies

Analogous

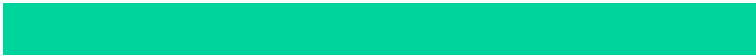
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4626, 46.6771, 9.3696



28.1215, 46.6771, 17.8834



24.3808, 46.6771, 39.7839

Triad

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



28.1215, 46.6771, 17.8834



40.3214, 46.6771, 155.6664



71.4838, 46.6771, 30.3127

Complementary

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



28.1215, 46.6771, 17.8834



39.6987, 24.7738, 59.1902

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.



73.0609, 46.6771, 63.7367



28.1215, 46.6771, 17.8834



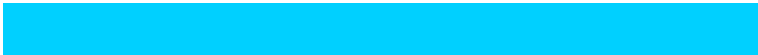
53.3342, 46.6771, 148.8868

Square

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



28.1215, 46.6771, 17.8834



30.4810, 46.6771, 125.7330



65.9002, 46.6771, 110.1240



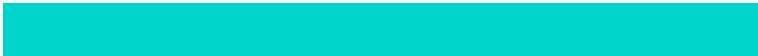
61.9311, 46.6771, 13.7987

Rectangle

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



28.1215, 46.6771, 17.8834



24.3974, 46.6771, 64.2045



65.9002, 46.6771, 110.1240



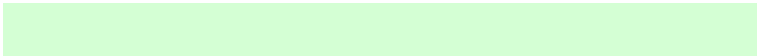
73.0265, 46.6771, 39.4441

Sweetspot

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



28.1226, 46.6791, 17.8844



74.7462, 90.2393, 76.0382



48.3775, 57.1309, 18.3753



15.5542, 19.1012, 15.5543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.1226, 46.6791, 17.8844



41.1561, 74.1023, 21.1833



31.6439, 48.0875, 36.4270



11.0759, 12.5401, 11.9572



13.6068, 27.1880, 4.6143



0.7048, 1.4037, 0.2531

Inverse Universe

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



39.6987, 24.7738, 59.1902



61.9925, 34.6522, 95.5157



34.1153, 22.5405, 29.7885



11.6787, 11.4002, 14.1088



22.2699, 10.7186, 35.4696



1.1517, 0.5541, 1.8445

Previews

White Background



This preview shows how the XYZ color 28.1215, 46.6771, 17.8834 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.1215, 46.6771, 17.8834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

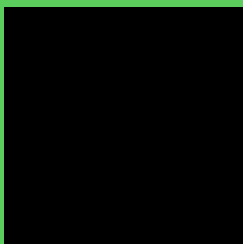
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

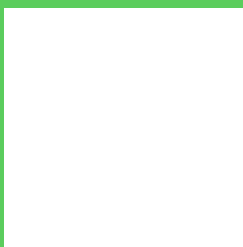
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1215, 46.6771, 17.8834

Background



This preview shows how black text looks on a background with the XYZ color 28.1215, 46.6771, 17.8834.



This preview shows how white text looks on a background with the XYZ color 28.1215, 46.6771,

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

28.1215, 46.6771, 17.8834

Protanopia

41.9830, 45.9830, 15.2572

Deuteranopia

46.6660, 45.6800, 18.9279



Tritanopia

37.9263, 46.5455, 66.6598

Trichromacy



Original Color

28.1215, 46.6771, 17.8834



Protanomaly

34.6721, 45.0051, 16.0920



Deuteranomaly

36.6262, 44.0661, 18.3796



Tritanomaly

33.0335, 45.8738, 43.1899

Monochromacy



Original Color

28.1215, 46.6771, 17.8834



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.4646, 37.4495, 28.2298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1215, 46.6771, 17.8834 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, 205, 93)` looks like.

```
.text, #text, p{  
    color:rgb(91, 205, 93)  
}
```

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, 205, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 205, 93) }
```

Border

The CSS property to change the border of an element to XYZ 28.1215, 46.6771, 17.8834 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, 205, 93) }
```


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

```
.border{ border-color:rgb(91, 205, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 205, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 205, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 205, 93);  
box-shadow:4px 4px 4px 4px rgb(91, 205,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1215, 46.6771, 17.8834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 205, 93) }
```

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

```
.background{ background-color: rgb(91, 205,  
93) }
```

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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