

Converting Colors

XYZ(28.3954, 46.6704, 24.5767)

Have a look what the booklet for
XYZ(28.3954, 46.6704, 24.5767)
contains.

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Color

**XYZ(28.4096, 46.6761,
24.6516)**

Conversions

Conversions Part 1

Format	Color
Hex	50CD76
RGB	80, 205, 118
RGB Percent	31%, 80%, 46%
CMY	0.6863, 0.1961, 0.5372
CMYK	0.61, 0.00, 0.42, 0.20
HSL	138°, 56%, 56%
HSV	138°, 61%, 80%
XYZ	28.4096, 46.6761, 24.6516
YIQ	157.7070, -46.5730, -53.5570

Conversions

Conversions Part 2

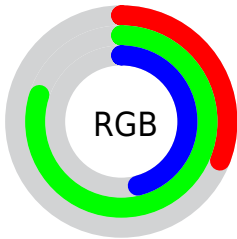
Format	Color
RYB	80, 176, 205
Decimal	5295478
CIELab	73.98, -53.55, 33.24
CIElCh	74, 63.028, 148.166
Yxy	46.6761, 0.2848, 0.4680
Android (android.graphics.Color)	4283485558 (0xFF50CD76)
YUV	157.7070, -19.5756, -68.1490
Hunter-Lab	68.3199, -45.3338, 26.4306

Details

The XYZ color **28.4096, 46.6761, 24.6516** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **35.0220, 21.5074, 38.8662**, and the grayscale version is **32.4686, 34.1595, 37.1997**.

A 20% lighter version of the original color is **53.9259, 80.0357, 51.1343**, and **11.9497, 22.2300, 9.1299** is the 20% darker color. If you saturate the color by 10%, you get **26.1509, 45.6037, 20.4501**, and if you desaturate by 10%, it is **31.3269, 48.0758, 29.5555**.

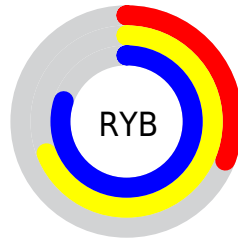
Distribution



Red (31%)

Green (80%)

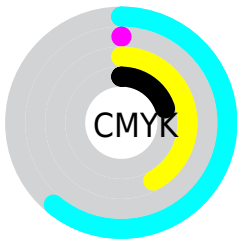
Blue (46%)



Red (31%)

Yellow (69%)

Blue (80%)

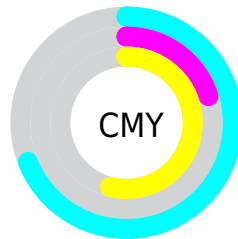


Cyan (61%)

Magenta (0%)

Yellow (42%)

Black (20%)



Cyan (69%)


Magenta (20%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4096, 46.6761, 24.6516 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 28.4096, 46.6761, 24.6516 by changing the saturation by 10% instead.


 28.4096, 46.6761,
24.6516


 28.4096, 46.6761,
24.6516


286.4637,
373.5202, 289.4903


 18.7767, 32.7797,
15.6010


 56.5418, 85.2299,
52.0485


 11.6121, 21.9577,
9.0910


 75.7718, 110.6561,
71.2320

 6.5504, 13.8258,
4.7030


 98.9315, 140.6944,
94.6301

 3.2264, 7.9996,
2.0184

 126.3864,
175.7291, 122.6615

 1.2746, 4.0947,
0.5665

158.5016,
216.1446, 155.7447

 0.1641, 1.7267,
0.0000

195.6427,

 0.0000, 0.4408,

262.3254, 194.2982

0.0000

238.1750,
314.6558, 238.7406

■ 0.0000, 0.0000,
0.0000

■ 28.4096, 46.6761,
24.6516

■ 28.4096, 46.6761,
24.6516

■ 26.1509, 45.6037,
20.4501

■ 31.3269, 48.0758,
29.5555

■ 24.4917, 44.8249,
16.9153

■ 34.9481, 49.8217,
35.1890

■ 23.3679, 44.3086,
14.0129

■ 39.3185, 51.9377,
41.5818

■ 22.7105, 44.0157,
11.9027

■ 44.4784, 54.4442,
48.7608

■ 50.4655, 57.3600,
56.7517

■ 57.3145, 60.7025,
65.5790

■ 65.0585, 64.4883,
75.2660

■ 73.7287, 68.7330,
85.8354

■ 79.7708, 71.6038,
97.1410

Harmonies

Analogous

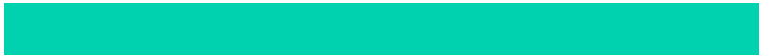
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9184, 46.6761, 13.4385



28.4096, 46.6761, 24.6516



26.0682, 46.6761, 48.8652

Triad

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



28.4096, 46.6761, 24.6516



43.6755, 46.6761, 141.2726



66.2932, 46.6761, 26.8331

Complementary

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



28.4096, 46.6761, 24.6516



35.0220, 21.5074, 38.8662

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.



69.6823, 46.6761, 52.8310



28.4096, 46.6761, 24.6516



55.3762, 46.6761, 127.3212

Square

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



28.4096, 46.6761, 24.6516



33.9061, 46.6761, 123.6987



65.3925, 46.6761, 90.9954



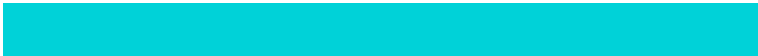
56.7781, 46.6761, 14.2720

Rectangle

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



28.4096, 46.6761, 24.6516



26.8238, 46.6761, 72.6826



65.3925, 46.6761, 90.9954



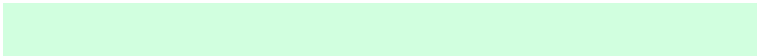
68.2507, 46.6761, 33.8539

Sweetspot

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



28.4108, 46.6780, 24.6527



75.4093, 90.4205, 83.3284



39.3231, 52.5140, 15.6534



15.5546, 19.0685, 17.0418



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.



28.4108, 46.6780, 24.6527



41.9334, 74.2717, 31.6754



33.3792, 48.6654, 50.8159



11.2061, 12.5922, 12.6428



14.1749, 27.4153, 7.6063



0.7652, 1.4279, 0.5713

Inverse Universe

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



35.0220, 21.5074, 38.8662



53.5994, 29.5940, 56.5618



30.5966, 19.7372, 15.5622



11.5366, 11.3434, 13.3606



18.7889, 9.3262, 17.1389



1.0021, 0.4942, 1.0567

Previews

White Background



This preview shows how the XYZ color 28.4096, 46.6761, 24.6516 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 28.4096, 46.6761, 24.6516 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 28.4096, 46.6761, 24.6516

Background



This preview shows how black text looks on a background with the XYZ color 28.4096, 46.6761, 24.6516.



This preview shows how white text looks on a background with the XYZ color 28.4096, 46.6761,

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

28.4096, 46.6761, 24.6516

Protanopia

42.3101, 46.0222, 21.1212

Deuteranopia

46.7338, 45.8406, 26.1236



Tritanopia

36.9880, 46.3625, 67.9722

Trichromacy



Original Color

28.4096, 46.6761, 24.6516



Protanomaly

34.6645, 44.8668, 22.1624



Deuteranomaly

36.6500, 44.2350, 25.3454



Tritanomaly

33.0597, 46.1039, 48.7515

Monochromacy



Original Color

28.4096, 46.6761, 24.6516



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.4938, 37.3889, 31.6489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4096, 46.6761, 24.6516 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(80, 205, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 205, 118)  
}
```

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(80, 205, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 205, 118) }
```

Border

The CSS property to change the border of an element to XYZ 28.4096, 46.6761, 24.6516 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(80, 205, 118) }
```


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

```
.border{ border-color:rgb(80, 205, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 205, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 205, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 205, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 205,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4096, 46.6761, 24.6516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 205, 118) }
```

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

```
.background{ background-color: rgb(80, 205,  
118) }
```

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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