

Converting Colors

XYZ(28.4309, 46.6974, 8.1958)

Have a look what the booklet for
XYZ(28.4309, 46.6974, 8.1958)
contains.

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Color

**XYZ(28.4012, 46.6810,
8.1753)**

Conversions

Conversions Part 1

Format	Color
Hex	70CC14
RGB	112, 204, 20
RGB Percent	44%, 80%, 8%
CMY	0.5608, 0.2000, 0.9215
CMYK	0.45, 0.00, 0.90, 0.20
HSL	90°, 82%, 44%
HSV	90°, 90%, 80%
XYZ	28.4012, 46.6810, 8.1753
YIQ	155.5160, 4.2320, -76.7280

Conversions

Conversions Part 2

Format	Color
R_{YB}	20, 204, 112
Decimal	7392276
CIE _{Lab}	73.99, -53.59, 70.77
CIE _{LCh}	74, 88.775, 127.135
Yxy	46.6810, 0.3411, 0.5607
Android (android.graphics.Color)	4285582356 (0xFF70CC14)
YUV	155.5160, -66.8094, -38.1635
Hunter-Lab	68.3235, -45.3660, 40.7321

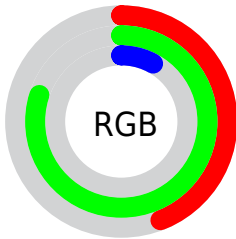
Details

The XYZ color **28.4012, 46.6810, 8.1753** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **17.8348, 8.3068, 57.7928**, and the grayscale version is **31.6727, 33.3222, 36.2878**.

A 20% lighter version of the original color is **54.3578, 80.8992, 22.2013**, and **12.0141, 22.1479, 3.6418** is the 20% darker color. If you saturate the color by 10%, you get **27.0723, 46.0120, 7.4543**, and if you desaturate by 10%, it is **30.0385, 47.4960, 9.6293**.

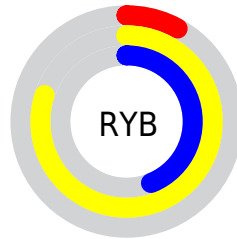
Distribution



Red (44%)

Green (80%)

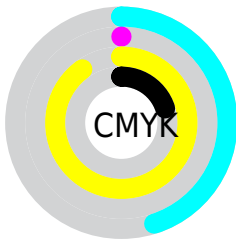
Blue (8%)



Red (8%)

Yellow (80%)

Blue (44%)

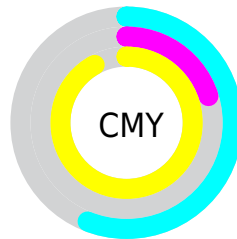


Cyan (45%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (56%)


Magenta (20%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4012, 46.6810, 8.1753 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 28.4012, 46.6810, 8.1753 by changing the saturation by 10% instead.


 28.4012, 46.6810,
8.1753


 28.4012, 46.6810,
8.1753


286.4245,
373.5398, 187.0862


 18.7703, 32.7835,
4.1179


 56.5285, 85.2373,
22.8532

 11.6074, 21.9607,
1.6903


 75.7557, 110.6649,
34.3108

 6.5473, 13.8280,
0.3541


 98.9122, 140.7046,
49.0723

 3.2244, 8.0011,
0.0000

 126.3636,
175.7409, 67.5562

 1.2735, 4.0957,
0.0000

 158.4752,
216.1582, 90.1810

 0.1633, 1.7272,
0.0000

 195.6123,

 0.0000, 0.4412,

262.3409, 117.3652

0.0000

238.1403,
314.6732, 149.5274

■ 0.0000, 0.0000,
0.0000

■ 28.4012, 46.6810,
8.1753

■ 28.4012, 46.6810,
8.1753

■ 27.0723, 46.0120,
7.4543

■ 30.0385, 47.4960,
9.6293

■ 32.0100, 48.4607,
12.0558

■ 34.3464, 49.5894,
15.5888

■ 37.0733, 50.8928,
20.3404

■ 40.2134, 52.3805,
26.4091

■ 43.7874, 54.0613,
33.8832

■ 47.8144, 55.9431,
42.8432

■ 52.3122, 58.0336,
53.3639

■ 57.2977, 60.3400,
65.5146

Harmonies

Analogous

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



40.6913, 46.6810, 4.1044



28.4012, 46.6810, 8.1753



21.8013, 46.6810, 23.9047

Triad

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



28.4012, 46.6810, 8.1753



33.5529, 46.6810, 181.0593



81.9834, 46.6810, 40.7421

Complementary

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



28.4012, 46.6810, 8.1753



17.8348, 8.3068, 57.7928

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.



78.7768, 46.6810, 92.8255



28.4012, 46.6810, 8.1753



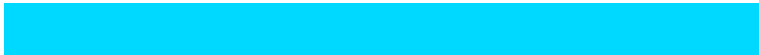
48.2617, 46.6810, 195.8599

Square

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



28.4012, 46.6810, 8.1753



24.2436, 46.6810, 123.7911



65.4192, 46.6810, 156.9391



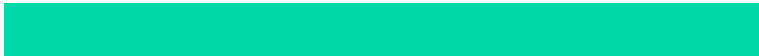
73.3574, 46.6810, 14.2546

Rectangle

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



28.4012, 46.6810, 8.1753



20.3671, 46.6810, 46.5906



65.4192, 46.6810, 156.9391



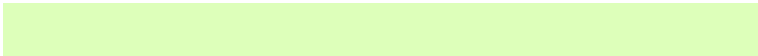
82.2817, 46.6810, 55.3142

Sweetspot

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



28.4023, 46.6830, 8.1763



74.3272, 90.3764, 60.0650



30.8247, 24.4791, 3.7628



15.4373, 19.1233, 11.8302



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.



28.4023, 46.6830, 8.1763



44.5848, 76.0694, 12.3330



22.0091, 43.3872, 7.8771



11.5935, 12.8078, 11.9406



17.1462, 29.0145, 4.6967



0.9721, 1.5420, 0.2464

Inverse Universe

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



17.8348, 8.3068, 57.7928



26.8793, 11.7717, 95.4632



36.0530, 17.6987, 58.6454



11.1273, 11.1149, 14.1293



10.4171, 4.5778, 36.2908



0.6249, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 28.4012, 46.6810, 8.1753 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 28.4012, 46.6810, 8.1753 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 28.4012, 46.6810, 8.1753

Background



This preview shows how black text looks on a background with the XYZ color 28.4012, 46.6810, 8.1753.



This preview shows how white text looks on a background with the XYZ color 28.4012, 46.6810,

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

28.4012, 46.6810, 8.1753

Protanopia

41.4695, 45.9026, 6.9041

Deuteranopia

46.7151, 45.6462, 8.8311



Tritanopia

39.7494, 46.5531, 64.6482

Trichromacy



Original Color

28.4012, 46.6810, 8.1753



Protanomaly

35.0585, 45.0797, 7.2013



Deuteranomaly

37.2595, 44.3086, 8.2577



Tritanomaly

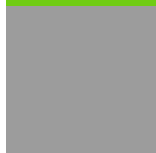
33.0046, 45.4544, 31.0788

Monochromacy



Original Color

28.4012, 46.6810, 8.1753



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.4126, 36.5241, 19.4623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4012, 46.6810, 8.1753 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(112, 204, 20)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 20)  
}
```

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(112, 204, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 20) }
```

Border

The CSS property to change the border of an element to XYZ 28.4012, 46.6810, 8.1753 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(112, 204, 20) }
```


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

```
.border{ border-color:rgb(112, 204, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 204, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 20);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4012, 46.6810, 8.1753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 20) }
```

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

```
.background{ background-color: rgb(112,  
204, 20) }
```

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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