

Converting Colors

XYZ(28.4511, 46.6847, 25.4171)

Have a look what the booklet for
XYZ(28.4511, 46.6847, 25.4171)
contains.

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Color

**XYZ(28.4459, 46.6810,
25.2804)**

Conversions

Conversions Part 1

Format	Color
Hex	4FCD78
RGB	79, 205, 120
RGB Percent	31%, 80%, 47%
CMY	0.6902, 0.1961, 0.5294
CMYK	0.61, 0.00, 0.41, 0.20
HSL	140°, 56%, 56%
HSV	140°, 61%, 80%
XYZ	28.4459, 46.6810, 25.2804
YIQ	157.6360, -47.8110, -53.1470

Conversions

Conversions Part 2

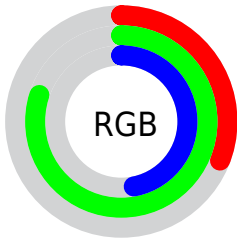
Format	Color
RYB	79, 174, 205
Decimal	5229944
CIELab	73.99, -53.42, 32.22
CIELCh	74, 62.384, 148.901
Yxy	46.6810, 0.2833, 0.4649
Android (android.graphics.Color)	4283420024 (0xFF4FCD78)
YUV	157.6360, -18.5545, -68.9638
Hunter-Lab	68.3235, -45.2492, 25.8885

Details

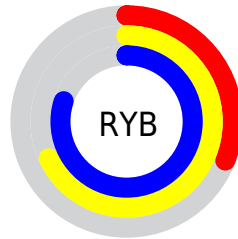
The XYZ color **28.4459, 46.6810, 25.2804** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **34.6750, 21.2522, 37.3976**, and the grayscale version is **32.4323, 34.1213, 37.1581**.

A 20% lighter version of the original color is **53.9503, 80.0261, 52.1383**, and **12.0118, 22.2549, 9.4569** is the 20% darker color. If you saturate the color by 10%, you get **26.2169, 45.6233, 21.1073**, and if you desaturate by 10%, it is **31.3241, 48.0620, 30.1188**.

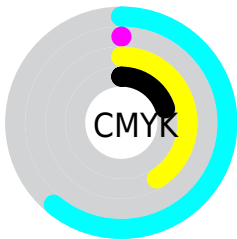
Distribution



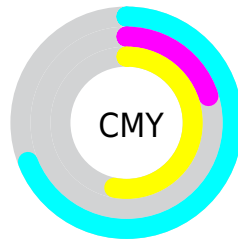
- Red (31%)
- Green (80%)
- Blue (47%)



- Red (31%)
- Yellow (68%)
- Blue (80%)



- Cyan (61%)
- Magenta (0%)
- Yellow (41%)
- Black (20%)





- Cyan (69%)
- Magenta (20%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4459, 46.6810, 25.2804 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 28.4459, 46.6810, 25.2804 by changing the saturation by 10% instead.


 28.4459, 46.6810,
25.2804


 28.4459, 46.6810,
25.2804


286.6331,
373.5398, 292.7237


 18.8042, 32.7835,
16.0652


 56.5992, 85.2373,
53.0815


 11.6321, 21.9607,
9.4154


 75.8416, 110.6649,
72.5044

 6.5641, 13.8280,
4.9126


 99.0149, 140.7046,
96.1670

 3.2349, 8.0011,
2.1382

 126.4845,
175.7409, 124.4878

 1.2792, 4.0957,
0.6384

158.6158,
216.1582, 157.8854

 0.1675, 1.7272,
0.0000

195.7741,

 0.0000, 0.4412,

262.3409, 196.7782

0.0000

238.3247,
314.6732, 241.5848

■ 0.0000, 0.0000,
0.0000

■ 28.4459, 46.6810,
25.2804

■ 28.4459, 46.6810,
25.2804

■ 26.2169, 45.6233,
21.1073

■ 31.3241, 48.0620,
30.1188

■ 24.5784, 44.8553,
17.5666

■ 34.8967, 49.7851,
35.6469

■ 23.4661, 44.3458,
14.6275

■ 39.2087, 51.8742,
41.8919

■ 22.8366, 44.0662,
12.5665

■ 44.3001, 54.3496,
48.8784

■ 50.2081, 57.2298,
56.6298

■ 56.9673, 60.5323,
65.1686

■ 64.6105, 64.2736,
74.5163

■ 73.1686, 68.4690,
84.6935

■ 79.4726, 71.4846,
95.5705

Harmonies

Analogous

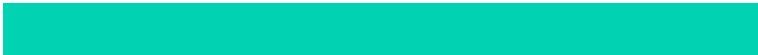
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8056, 46.6810, 13.8289



28.4459, 46.6810, 25.2804



26.2217, 46.6810, 49.6607

Triad

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



28.4459, 46.6810, 25.2804



43.9595, 46.6810, 140.0768



65.8743, 46.6810, 26.5808

Complementary

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



28.4459, 46.6810, 25.2804



34.6750, 21.2522, 37.3976

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.



69.4003, 46.6810, 52.0128



28.4459, 46.6810, 25.2804



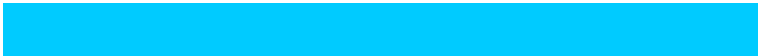
55.5408, 46.6810, 125.6170

Square

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



28.4459, 46.6810, 25.2804



34.2041, 46.6810, 123.4795



65.3413, 46.6810, 89.5298



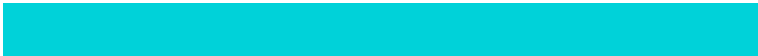
56.3710, 46.6810, 14.3286

Rectangle

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



28.4459, 46.6810, 25.2804



27.0402, 46.6810, 73.3883



65.3413, 46.6810, 89.5298



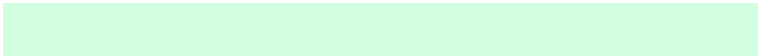
67.8616, 46.6810, 33.4410

Sweetspot

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



28.4471, 46.6829, 25.2815



75.5422, 90.4737, 84.0282



38.7820, 52.2394, 15.4365



15.5866, 19.0813, 17.2106



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.



28.4471, 46.6829, 25.2815



41.9038, 74.2394, 32.4409



33.4903, 48.7002, 51.8386



11.2160, 12.5962, 12.6950



14.2551, 27.4474, 8.0286



0.7703, 1.4299, 0.5977

Inverse Universe

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



34.6750, 21.2522, 37.3976



52.8982, 29.0685, 53.6246



30.3773, 19.5331, 14.7660



11.5262, 11.3392, 13.3057



18.5878, 9.2457, 16.0801



0.9928, 0.4905, 1.0082

Previews

White Background



This preview shows how the XYZ color 28.4459, 46.6810, 25.2804 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 28.4459, 46.6810, 25.2804 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 28.4459, 46.6810, 25.2804

Background



This preview shows how black text looks on a background with the XYZ color 28.4459, 46.6810, 25.2804.



This preview shows how white text looks on a background with the XYZ color 28.4459, 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

28.4459, 46.6810, 25.2804

Protanopia

42.1617, 45.6386, 21.3388

Deuteranopia

46.8642, 45.8927, 26.8102



Tritanopia

36.8685, 46.3009, 67.9666

Trichromacy



Original Color

28.4459, 46.6810, 25.2804



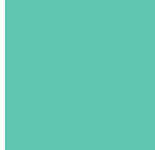
Protanomaly

34.5613, 44.4801, 22.6835



Deuteranomaly

36.7765, 44.2856, 26.0117



Tritanomaly

32.9538, 46.0493, 48.7465

Monochromacy



Original Color

28.4459, 46.6810, 25.2804



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.4173, 37.3407, 32.0426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4459, 46.6810, 25.2804 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(79, 205, 120)` looks like.

```
.text, #text, p{  
    color:rgb(79, 205, 120)  
}
```

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(79, 205, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 205, 120) }
```

Border

The CSS property to change the border of an element to XYZ 28.4459, 46.6810, 25.2804 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(79, 205, 120) }
```


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

```
.border{ border-color:rgb(79, 205, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 205, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 205, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 205, 120);  
box-shadow:4px 4px 4px 4px rgb(79, 205,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4459, 46.6810, 25.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 205, 120) }
```

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

```
.background{ background-color: rgb(79, 205,  
120) }
```

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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