

Converting Colors

XYZ(27.8680, 46.7377, 12.0442)

Have a look what the booklet for
XYZ(27.8680, 46.7377, 12.0442)
contains.

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Color

**XYZ(27.8464, 46.6631,
12.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	63CD3E
RGB	99, 205, 62
RGB Percent	39%, 80%, 24%
CMY	0.6118, 0.1961, 0.7568
CMYK	0.52, 0.00, 0.70, 0.20
HSL	104°, 59%, 52%
HSV	104°, 70%, 80%
XYZ	27.8464, 46.6631, 12.0966
YIQ	157.0040, -17.2730, -66.9450

Conversions

Conversions Part 2

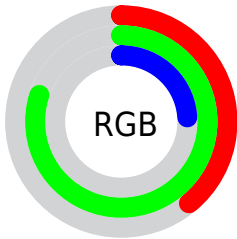
Format	Color
RYB	62, 205, 168
Decimal	6540606
CIELab	73.97, -55.73, 58.98
CIELCh	74, 81.149, 133.379
Yxy	46.6631, 0.3215, 0.5388
Android (android.graphics.Color)	4284730686 (0xFF63CD3E)
YUV	157.0040, -46.8370, -50.8695
Hunter-Lab	68.3104, -46.7785, 37.3180

Details

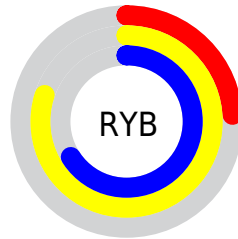
The XYZ color **27.8464, 46.6631, 12.0966** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **28.8931, 16.1795, 59.3603**, and the grayscale version is **32.2605, 33.9405, 36.9612**.

A 20% lighter version of the original color is **53.0714, 80.0735, 29.4882**, and **11.4418, 22.0887, 3.6605** is the 20% darker color. If you saturate the color by 10%, you get **25.8800, 45.7040, 9.6020**, and if you desaturate by 10%, it is **30.3396, 47.8721, 15.7249**.

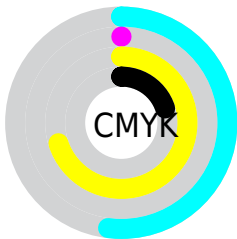
Distribution



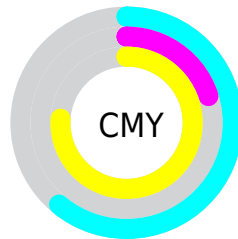
- Red (39%)
- Green (80%)
- Blue (24%)



- Red (24%)
- Yellow (80%)
- Blue (66%)



- Cyan (52%)
- Magenta (0%)
- Yellow (70%)
- Black (20%)



- Cyan (61%)
- Magenta (20%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8464, 46.6631, 12.0966 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 27.8464, 46.6631, 12.0966 by changing the saturation by 10% instead.

■ 27.8464, 46.6631,
12.0966

■ 27.8464, 46.6631,
12.0966

283.8256,
373.4682, 216.0443

■ 18.3498, 32.7694,
6.6862

■ 55.6495, 85.2105,
30.3379

■ 11.3026, 21.9499,
3.1912

■ 74.6866, 110.6330,
44.0059

■ 6.3395, 13.8201,
1.1931

■ 97.6347, 140.6673,
61.2635

■ 3.0952, 7.9956,
0.0000

■ 124.8590,
175.6976, 82.5292

■ 1.2043, 4.0921,
0.0000

■ 156.7248,
216.1085, 108.2216

■ 0.1098, 1.7252,
0.0000

193.5977,

■ 0.0000, 0.4399,

262.2843, 138.7593

0.0000

235.8428,
314.6094, 174.5606

■ 0.0000, 0.0000,
0.0000

■ 27.8464, 46.6631,
12.0966

■ 27.8464, 46.6631,
12.0966

■ 25.8800, 45.7040,
9.6020

■ 30.3396, 47.8721,
15.7249

■ 24.3941, 44.9696,
8.1040

■ 33.3939, 49.3420,
20.5973

■ 23.3249, 44.4337,
7.3617

■ 37.0442, 51.0899,
26.8142

■ 23.3024, 44.4225,
7.3462

■ 41.3215, 53.1300,
34.4653

■ 46.2545, 55.4753,
43.6322

■ 51.8703, 58.1381,
54.3907

■ 58.1941, 61.1298,
66.8113

■ 65.2501, 64.4614,
80.9604

■ 73.0610, 68.1433,
96.9006

Harmonies

Analogous

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



38.2166, 46.6631, 6.0173



27.8464, 46.6631, 12.0966



22.6654, 46.6631, 31.2432

Triad

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



27.8464, 46.6631, 12.0966



36.8553, 46.6631, 171.9084



77.3253, 46.6631, 34.5014

Complementary

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



27.8464, 46.6631, 12.0966



28.8931, 16.1795, 59.3603

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.



76.7363, 46.6631, 77.1986



27.8464, 46.6631, 12.0966



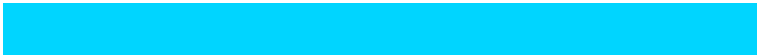
51.1110, 46.6631, 174.5534

Square

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



27.8464, 46.6631, 12.0966



27.0377, 46.6631, 127.6040



66.3535, 46.6631, 133.5891



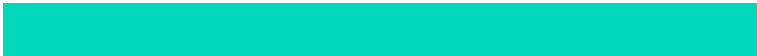
67.8212, 46.6631, 13.3638

Rectangle

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



27.8464, 46.6631, 12.0966



21.9603, 46.6631, 55.6541



66.3535, 46.6631, 133.5891



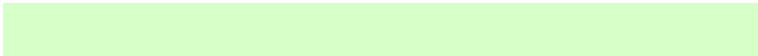
78.3543, 46.6631, 46.2520

Sweetspot

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



27.8475, 46.6651, 12.0976



74.4693, 90.2514, 69.0316



39.8427, 40.9177, 10.3561



15.4422, 19.0812, 13.8452



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.



27.8475, 46.6651, 12.0976



41.0033, 74.1772, 14.2361



25.9017, 45.5219, 18.3366



11.3356, 12.6749, 11.9285



14.5821, 27.6927, 4.5767



0.8250, 1.4661, 0.2395

Inverse Universe

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



28.8931, 16.1795, 59.3603



42.5446, 21.0143, 96.4216



34.3124, 19.3901, 40.7816



11.3933, 11.2520, 14.1417



15.0096, 6.9453, 36.5058



0.8425, 0.3935, 1.8865

Previews

White Background



This preview shows how the XYZ color 27.8464, 46.6631, 12.0966 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 27.8464, 46.6631, 12.0966 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 27.8464, 46.6631, 12.0966

Background



This preview shows how black text looks on a background with the XYZ color 27.8464, 46.6631, 12.0966.



This preview shows how white text looks on a background with the XYZ color 27.8464, 46.6631,

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

27.8464, 46.6631, 12.0966

Protanopia

41.5948, 45.8898, 10.4067

Deuteranopia

46.7290, 45.8468, 12.8650



Tritanopia

38.4975, 46.2022, 65.9204

Trichromacy



Original Color

27.8464, 46.6631, 12.0966



Protanomaly

34.6942, 45.1317, 10.8857



Deuteranomaly

36.8364, 44.3069, 12.4050



Tritanomaly

32.7751, 45.5260, 37.6318

Monochromacy



Original Color

27.8464, 46.6631, 12.0966



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.8022, 36.9115, 24.0189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8464, 46.6631, 12.0966 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(99, 205, 62)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 62)  
}
```

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(99, 205, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 62) }
```

Border

The CSS property to change the border of an element to XYZ 27.8464, 46.6631, 12.0966 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(99, 205, 62) }
```


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

```
.border{ border-color:rgb(99, 205, 62) }
```

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

Here you see how a box with a 4 pixel rgb(99, 205, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 62);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8464, 46.6631, 12.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 205, 62) }
```

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

```
.background{ background-color: rgb(99, 205,  
62) }
```

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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