

Converting Colors

XYZ(30.3871, 46.8611, 20.0548)

Have a look what the booklet for
XYZ(30.3871, 46.8611, 20.0548)
contains.

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Color

**XYZ(30.3289, 46.7111,
19.9880)**

Conversions

Conversions Part 1

Format	Color
Hex	71CA66
RGB	113, 202, 102
RGB Percent	44%, 79%, 40%
CMY	0.5569, 0.2078, 0.6000
CMYK	0.44, 0.00, 0.50, 0.21
HSL	113°, 49%, 60%
HSV	113°, 50%, 79%
XYZ	30.3289, 46.7111, 19.9880
YIQ	163.9890, -20.9440, -49.9680

Conversions

Conversions Part 2

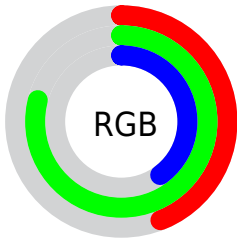
Format	Color
RYB	102, 202, 191
Decimal	7457382
CIELab	74.00, -46.28, 41.51
CIElCh	74, 62.170, 138.107
Yxy	46.7111, 0.3126, 0.4814
Android (android.graphics.Color)	4285647462 (0xFF71CA66)
YUV	163.9890, -30.5606, -44.7174
Hunter-Lab	68.3455, -40.3938, 30.5022

Details

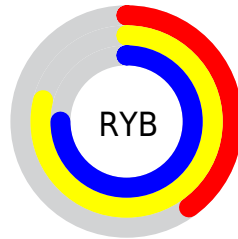
The XYZ color **30.3289, 46.7111, 19.9880** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.9001, 24.8448, 58.7303**, and the grayscale version is **35.4304, 37.2756, 40.5931**.

A 20% lighter version of the original color is **58.0386, 82.3216, 43.8410**, and **12.6621, 21.9472, 6.7008** is the 20% darker color. If you saturate the color by 10%, you get **27.3586, 45.2832, 15.2418**, and if you desaturate by 10%, it is **34.0038, 48.4768, 26.0432**.

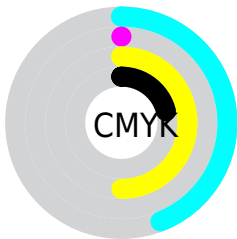
Distribution



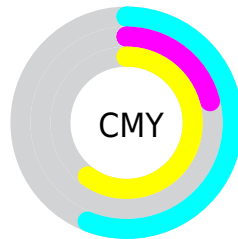
- Red (44%)
- Green (79%)
- Blue (40%)



- Red (40%)
- Yellow (79%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)



- Cyan (56%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3289, 46.7111, 19.9880 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 30.3289, 46.7111, 19.9880 by changing the saturation by 10% instead.

■ 30.3289, 46.7111,
19.9880

■ 30.3289, 46.7111,
19.9880

295.3169,
373.6602, 264.4522

■ 20.2377, 32.8073,
12.2023

■ 59.5650, 85.2822,
44.2558

■ 12.6772, 21.9789,
6.7574

■ 79.4406, 110.7184,
61.5750

■ 7.2821, 13.8414,
3.2347

■ 103.3083,
140.7674, 82.9091

■ 3.6870, 8.0104,
1.2157

■ 131.5336,
175.8138, 108.6766

■ 1.5267, 4.1016,
0.0000

164.4817,
216.2418, 139.2962

■ 0.3439, 1.7306,
0.0000

202.5181,

■ 0.0000, 0.4433,

262.4360, 175.1863

0.0000

246.0080,
314.7806, 216.7654

■ 0.0000, 0.0000,
0.0000

■ 30.3289, 46.7111,
19.9880

■ 30.3289, 46.7111,
19.9880

■ 27.3586, 45.2832,
15.2418

■ 34.0038, 48.4768,
26.0432

■ 25.0442, 44.1660,
11.7053

■ 38.4212, 50.5937,
33.4909

■ 23.3362, 43.3376,
9.2698

■ 43.6200, 53.0818,
42.4113

■ 22.1766, 42.7710,
7.8061


■ 49.6356, 55.9575,
52.8778


■ 21.4828, 42.4286,
7.0860

■ 56.5014, 59.2367,
64.9587

 21.4571, 42.4160,
7.0562

 64.2487, 62.9340,
78.7183

 72.9071, 67.0635,
94.2174

 80.4115, 70.7229,
104.0205

Harmonies

Analogous

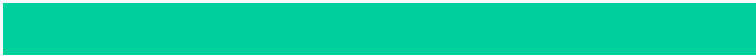
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0888, 46.7111, 12.0751



30.3289, 46.7111, 19.9880



26.6153, 46.7111, 39.2741

Triad

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



30.3289, 46.7111, 19.9880



40.1424, 46.7111, 137.1914



67.9319, 46.7111, 34.1296

Complementary

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



30.3289, 46.7111, 19.9880



36.9001, 24.8448, 58.7303

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.



68.7301, 46.7111, 64.5271



30.3289, 46.7111, 19.9880



51.3670, 46.7111, 133.8950

Square

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



30.3289, 46.7111, 19.9880



31.6156, 46.7111, 111.2836



62.2568, 46.7111, 103.5723



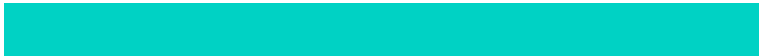
60.2296, 46.7111, 17.5781

Rectangle

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



30.3289, 46.7111, 19.9880



26.4416, 46.7111, 59.9770



62.2568, 46.7111, 103.5723



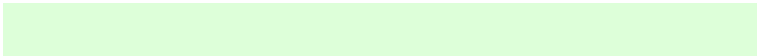
69.0584, 46.7111, 42.7180

Sweetspot

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



30.3300, 46.7131, 19.9890



78.0575, 91.8821, 79.0962



45.2432, 50.4896, 19.9320



16.2532, 19.4493, 16.1411



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.



30.3300, 46.7131, 19.9890



46.1854, 76.6026, 25.5952



31.3597, 46.9713, 32.3548



11.1807, 12.5950, 11.9212



13.8446, 27.3124, 4.5421



0.7538, 1.4294, 0.2362

Inverse Universe

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



36.9001, 24.8448, 58.7303



58.4682, 35.4874, 98.3759



35.7809, 24.7288, 37.8533



11.5613, 11.3387, 14.1496



18.9862, 8.9953, 36.6919



1.0150, 0.4824, 1.8946

Previews

White Background



This preview shows how the XYZ color 30.3289, 46.7111, 19.9880 looks on a white background.

Color Contrast Check

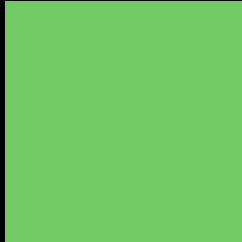
Large Text (above 18pt) WCAG AA × Fail

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 30.3289, 46.7111, 19.9880 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 30.3289, 46.7111, 19.9880

Background



This preview shows how black text looks on a background with the XYZ color 30.3289, 46.7111, 19.9880.



This preview shows how white text looks on a background with the XYZ color 30.3289, 46.7111,

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

30.3289, 46.7111, 19.9880

Protanopia

42.1426, 46.0161, 17.4873

Deuteranopia

46.9173, 46.0513, 20.8840



Tritanopia

39.4442, 46.7044, 65.3284

Trichromacy



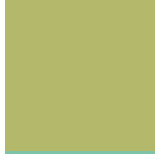
Original Color

30.3289, 46.7111, 19.9880



Protanomaly

36.5506, 45.6019, 18.4309



Deuteranomaly

38.5644, 45.0249, 20.2938



Tritanomaly

35.1872, 46.2930, 44.1267

Monochromacy



Original Color

30.3289, 46.7111, 19.9880



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.4052, 39.7836, 31.1704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3289, 46.7111, 19.9880 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(113, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(113, 202, 102)  
}
```

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(113, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 202, 102) }
```

Border

The CSS property to change the border of an element to XYZ 30.3289, 46.7111, 19.9880 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(113, 202, 102) }
```


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

```
.border{ border-color:rgb(113, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(113, 202,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3289, 46.7111, 19.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 202, 102) }
```

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

```
.background{ background-color: rgb(113,  
202, 102) }
```

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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