

Converting Colors

XYZ(30.9588, 46.5983, 19.9524)

Have a look what the booklet for
XYZ(30.9588, 46.5983, 19.9524)
contains.

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Color

**XYZ(31.0306, 46.7257,
19.9538)**

Conversions

Conversions Part 1

Format	Color
Hex	78C966
RGB	120, 201, 102
RGB Percent	47%, 79%, 40%
CMY	0.5294, 0.2117, 0.6000
CMYK	0.40, 0.00, 0.49, 0.21
HSL	109°, 48%, 59%
HSV	109°, 49%, 79%
XYZ	31.0306, 46.7257, 19.9538
YIQ	165.4950, -16.4970, -47.9610

Conversions

Conversions Part 2

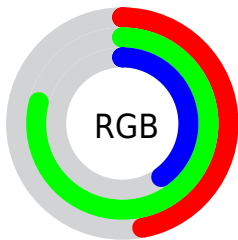
Format	Color
RYB	102, 201, 183
Decimal	7915878
CIELab	74.01, -43.70, 41.59
CIELCh	74, 60.334, 136.417
Yxy	46.7257, 0.3176, 0.4782
Android (android.graphics.Color)	4286105958 (0xFF78C966)
YUV	165.4950, -31.3030, -39.8991
Hunter-Lab	68.3562, -38.5925, 30.5420

Details

The XYZ color **31.0306, 46.7257, 19.9538** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.8248, 23.7886, 58.0171**, and the grayscale version is **36.1546, 38.0375, 41.4228**.

A 20% lighter version of the original color is **59.5809, 83.1167, 43.9132**, and **12.9908, 21.8868, 6.6719** is the 20% darker color. If you saturate the color by 10%, you get **28.0641, 45.2994, 15.2276**, and if you desaturate by 10%, it is **34.6329, 48.4546, 25.9732**.

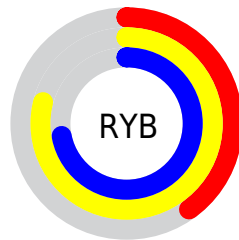
Distribution



Red (47%)

Green (79%)

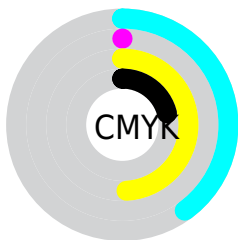
Blue (40%)



Red (40%)

Yellow (79%)

Blue (72%)

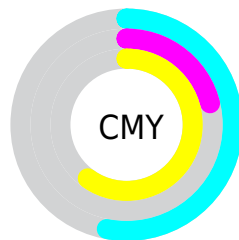


Cyan (40%)

Magenta (0%)

Yellow (49%)

Black (21%)



Cyan (53%)

Magenta (21%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0306, 46.7257, 19.9538 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 31.0306, 46.7257, 19.9538 by changing the saturation by 10% instead.

■ 31.0306, 46.7257,
19.9538

■ 31.0306, 46.7257,
19.9538

298.5036,
373.7186, 264.2609

■ 20.7741, 32.8189,
12.1777

■ 60.6638, 85.3040,
44.1977

■ 13.0705, 21.9877,
6.7408

■ 80.7711, 110.7443,
61.5025

■ 7.5544, 13.8479,
3.2246

■ 104.8928,
140.7979, 82.8207

■ 3.8606, 8.0149,
1.2104

■ 133.3942,
175.8491, 108.5708

■ 1.6236, 4.1045,
0.0000

166.6406,
216.2824, 139.1714

■ 0.4077, 1.7322,
0.0000

204.9974,

■ 0.0000, 0.4444,

262.4821, 175.0408

0.0000

248.8300,
314.8327, 216.5978

■ 0.0000, 0.0000,
0.0000

■ 31.0306, 46.7257,
19.9538

■ 31.0306, 46.7257,
19.9538

■ 28.0641, 45.2994,
15.2276

■ 34.6329, 48.4546,
25.9732

■ 25.6922, 44.1523,
11.6971

■ 38.9020, 50.4962,
33.3677

■ 23.8739, 43.2671,
9.2557


■ 43.8713, 52.8673,
42.2163


■ 22.5615, 42.6219,
7.7768


■ 49.5706, 55.5817,
52.5910

■ 21.6867, 42.1862,
7.0428


■ 56.0281, 58.6524,
64.5590

 21.6342, 42.1601,
6.9975

 63.2704, 62.0919,
78.1834

 71.3230, 65.9119,
93.5242

 78.9273, 69.6107,
103.8840

 80.1776, 70.2553,
103.9425

Harmonies

Analogous

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



38.8095, 46.7257, 12.5460



31.0306, 46.7257, 19.9538



27.1632, 46.7257, 38.1745

Triad

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



31.0306, 46.7257, 19.9538



39.7210, 46.7257, 133.0928



67.3969, 46.7257, 35.8818

Complementary

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



31.0306, 46.7257, 19.9538



34.8248, 23.7886, 58.0171

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.



67.7477, 46.7257, 66.1229



31.0306, 46.7257, 19.9538



50.5279, 46.7257, 131.6562

Square

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



31.0306, 46.7257, 19.9538



31.6045, 46.7257, 107.0976



61.1732, 46.7257, 103.7259



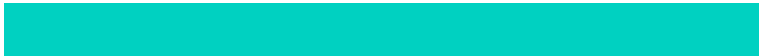
60.2808, 46.7257, 18.8627

Rectangle

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



31.0306, 46.7257, 19.9538



26.8405, 46.7257, 57.7999



61.1732, 46.7257, 103.7259



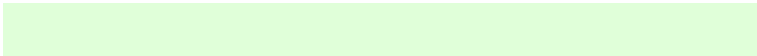
68.3454, 46.7257, 44.5290

Sweetspot

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



31.0317, 46.7277, 19.9548



78.9005, 92.3167, 79.1357



43.3903, 47.1842, 19.3916



16.4534, 19.5525, 16.1505



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.



31.0317, 46.7277, 19.9548



47.7868, 77.4282, 25.6702



30.6255, 46.3034, 29.6417



10.6743, 11.9791, 11.3124



13.6585, 26.5365, 4.4022



0.7031, 1.2855, 0.2111

Inverse Universe

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



34.8248, 23.7886, 58.0171



54.9398, 33.6685, 98.2108



36.0631, 24.8105, 40.7469



10.8867, 10.7154, 13.4120



16.3859, 7.6815, 35.3634



0.8265, 0.3898, 1.6768

Previews

White Background



This preview shows how the XYZ color 31.0306, 46.7257, 19.9538 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 31.0306, 46.7257, 19.9538 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 31.0306, 46.7257, 19.9538

Background



This preview shows how black text looks on a background with the XYZ color 31.0306, 46.7257, 19.9538.



This preview shows how white text looks on a background with the XYZ color 31.0306, 46.7257,

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

31.0306, 46.7257, 19.9538

Protanopia

42.4088, 46.1533, 17.4998

Deuteranopia

46.9173, 46.0513, 20.8840



Tritanopia

40.0804, 46.7237, 64.6637

Trichromacy



Original Color

31.0306, 46.7257, 19.9538



Protanomaly

36.9824, 45.5062, 18.3897



Deuteranomaly

39.0634, 44.9749, 20.2578



Tritanomaly

35.8754, 46.3163, 44.0949

Monochromacy



Original Color

31.0306, 46.7257, 19.9538



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.1973, 40.1833, 31.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0306, 46.7257, 19.9538 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(120, 201, 102)` looks like.

```
.text, #text, p{  
    color:rgb(120, 201, 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(120, 201, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 201, 102) }
```

Border

The CSS property to change the border of an element to XYZ 31.0306, 46.7257, 19.9538 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(120, 201, 102) }
```


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

```
.border{ border-color:rgb(120, 201, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 201, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 201, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 201, 102);  
box-shadow:4px 4px 4px 4px rgb(120, 201,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0306, 46.7257, 19.9538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 201, 102) }
```

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

```
.background{ background-color: rgb(120,  
201, 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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