

Converting Colors

XYZ(30.7998, 46.4553, 42.4676)

Have a look what the booklet for
XYZ(30.7998, 46.4553, 42.4676)
contains.

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Color

**XYZ(30.8019, 46.4579,
42.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	4CCAA4
RGB	76, 202, 164
RGB Percent	30%, 79%, 64%
CMY	0.7019, 0.2078, 0.3569
CMYK	0.62, 0.00, 0.19, 0.21
HSL	162°, 54%, 55%
HSV	162°, 62%, 79%
XYZ	30.8019, 46.4579, 42.4658
YIQ	159.9940, -62.8980, -38.5300

Conversions

Conversions Part 2

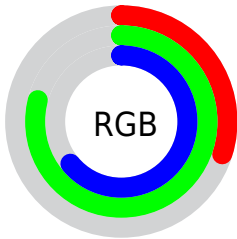
Format	Color
RYB	76, 150, 202
Decimal	5032612
CIELab	73.84, -43.81, 8.77
CIELCh	74, 44.680, 168.674
Yxy	46.4579, 0.2573, 0.3880
Android (android.graphics.Color)	4283222692 (0xFF4CAA4)
YUV	159.9940, 1.9750, -73.6627
Hunter-Lab	68.1600, -38.6149, 10.7725

Details

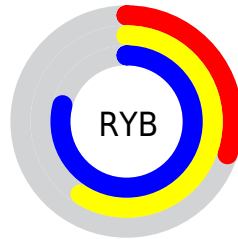
The XYZ color **30.8019, 46.4579, 42.4658** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.9804, 18.9416, 17.9975**, and the grayscale version is **33.4241, 35.1647, 38.2944**.

A 20% lighter version of the original color is **58.8627, 81.9528, 79.7339**, and **13.3583, 22.0373, 18.8788** is the 20% darker color. If you saturate the color by 10%, you get **28.9050, 45.5433, 39.5741**, and if you desaturate by 10%, it is **33.2314, 47.6464, 45.5221**.

Distribution



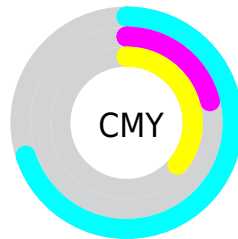
- Red (30%)
- Green (79%)
- Blue (64%)



- Red (30%)
- Yellow (59%)
- Blue (79%)



- Cyan (62%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)



- Cyan (70%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8019, 46.4579, 42.4658 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 30.8019, 46.4579, 42.4658 by changing the saturation by 10% instead.

■ 30.8019, 46.4579,
42.4658

■ 30.8019, 46.4579,
42.4658

297.4678,
372.6465, 372.2667

■ 20.5991, 32.6073,
29.1379

■ 60.3060, 84.9039,
80.1818

■ 12.9421, 21.8258,
18.9387

■ 80.3381, 110.2680,
105.4070

■ 7.4654, 13.7289,
11.4496

■ 104.3773,
140.2389, 135.4350

■ 3.8037, 7.9324,
6.2522

■ 132.7890,
175.2007, 170.6844

■ 1.5917, 4.0517,
2.9277

165.9385,
215.5380, 211.5737

■ 0.3870, 1.7025,
1.0579

204.1913,

■ 0.0000, 0.4253,

261.6352, 258.5215

0.0000

247.9126,
313.8765, 311.9464

■ 0.0000, 0.0000,
0.0000

■ 30.8019, 46.4579,
42.4658

■ 30.8019, 46.4579,
42.4658

■ 28.9050, 45.5433,
39.5741

■ 33.2314, 47.6464,
45.5221

■ 27.4876, 44.8716,
36.8394

■ 36.2328, 49.1255,
48.7437

■ 26.4918, 44.4144,
34.2583

■ 39.8457, 50.9167,
52.1352

■ 25.9349, 44.1681,
32.3882

■ 44.1054, 53.0381,
55.7001

■ 49.0441, 55.5064,
59.4416

■ 54.6920, 58.3371,
63.3629

■ 61.0774, 61.5447,
67.4671

■ 68.2270, 65.1429,
71.7569

■ 75.1257, 68.6084,
76.1867

Harmonies

Analogous

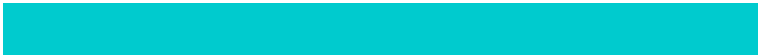
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6448, 46.4579, 26.8358



30.8019, 46.4579, 42.4658



31.2023, 46.4579, 65.9339

Triad

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



30.8019, 46.4579, 42.4658



49.2335, 46.4579, 104.4166



55.0381, 46.4579, 24.3195

Complementary

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



30.8019, 46.4579, 42.4658



29.9804, 18.9416, 17.9975

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.



60.2767, 46.4579, 37.8243



30.8019, 46.4579, 42.4658



56.6578, 46.4579, 85.3449

Square

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



30.8019, 46.4579, 42.4658



41.2226, 46.4579, 106.7880



60.9026, 46.4579, 59.6777



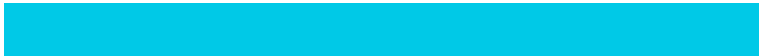
47.2271, 46.4579, 18.6592

Rectangle

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



30.8019, 46.4579, 42.4658



33.2669, 46.4579, 83.1639



60.9026, 46.4579, 59.6777



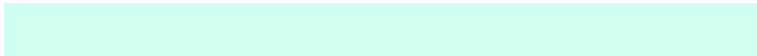
57.1965, 46.4579, 27.8660

Sweetspot

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



30.8032, 46.4597, 42.4669



77.1524, 91.0350, 96.2452



29.6157, 46.4710, 14.2472



16.0191, 19.2383, 20.2135



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.



30.8032, 46.4597, 42.4669



47.9727, 76.6474, 65.2807



29.7427, 38.0027, 61.6469



11.3935, 12.6672, 13.6298



16.7292, 28.4370, 21.0568



0.8957, 1.4801, 1.2581

Inverse Universe

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



29.9804, 18.9416, 17.9975



46.5371, 26.2898, 20.8500



30.1345, 22.0224, 9.5008



11.3493, 11.2684, 12.3739



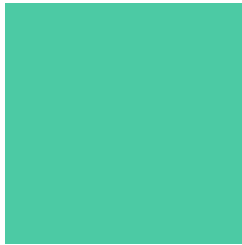
16.2491, 8.3102, 3.7642



0.8721, 0.4423, 0.3725

Previews

White Background



This preview shows how the XYZ color 30.8019, 46.4579, 42.4658 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 30.8019, 46.4579, 42.4658 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

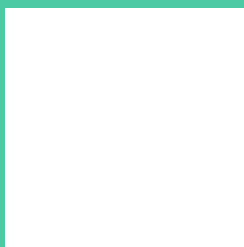
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8019, 46.4579, 42.4658

Background



This preview shows how black text looks on a background with the XYZ color 30.8019, 46.4579, 42.4658.

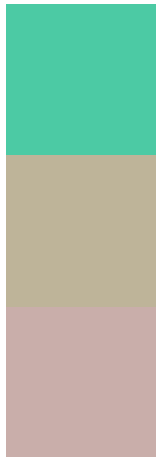


This preview shows how white text looks on a background with the XYZ color 30.8019, 46.4579,

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

30.8019, 46.4579, 42.4658

Protanopia

43.3062, 45.8896, 36.7121

Deuteranopia

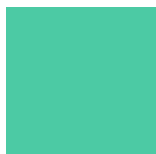
46.4791, 45.5919, 44.3806



Tritanopia

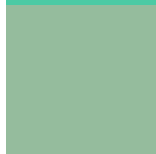
36.1139, 46.5627, 68.7121

Trichromacy



Original Color

30.8019, 46.4579, 42.4658



Protanomaly

36.4634, 44.7903, 38.6219



Deuteranomaly

37.9187, 44.1761, 43.5741



Tritanomaly

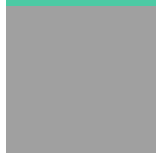
33.8622, 46.3094, 58.1928

Monochromacy



Original Color

30.8019, 46.4579, 42.4658



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.8163, 37.9003, 39.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8019, 46.4579, 42.4658 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(76, 202, 164)` looks like.

```
.text, #text, p{  
    color:rgb(76, 202, 164)  
}
```

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(76, 202, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 202, 164) }
```

Border

The CSS property to change the border of an element to XYZ 30.8019, 46.4579, 42.4658 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(76, 202, 164) }
```


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

```
.border{ border-color:rgb(76, 202, 164) }
```

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

Here you see how a box with a 4 pixel rgb(76, 202, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 202, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 202, 164);  
box-shadow:4px 4px 4px 4px rgb(76, 202,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8019, 46.4579, 42.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 202, 164) }
```

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

```
.background{ background-color: rgb(76, 202,  
164) }
```

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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