

Converting Colors

XYZ(30.8733, 46.5051, 41.9995)

Have a look what the booklet for
XYZ(30.8733, 46.5051, 41.9995)
contains.

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Color

**XYZ(30.8733, 46.5051,
41.9995)**

Conversions

Conversions Part 1

Format	Color
Hex	4ECAA3
RGB	78, 202, 163
RGB Percent	31%, 79%, 64%
CMY	0.6941, 0.2078, 0.3608
CMYK	0.61, 0.00, 0.19, 0.21
HSL	161°, 54%, 55%
HSV	161°, 61%, 79%
XYZ	30.8733, 46.5051, 41.9995
YIQ	160.4780, -61.3850, -38.4170

Conversions

Conversions Part 2

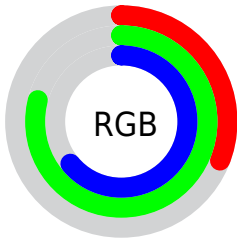
Format	Color
RYB	78, 152, 202
Decimal	5163683
CIELab	73.87, -43.68, 9.36
CIELCh	74, 44.668, 167.899
Yxy	46.5051, 0.2586, 0.3896
Android (android.graphics.Color)	4283353763 (0xFF4ECAA3)
YUV	160.4780, 1.2433, -72.3332
Hunter-Lab	68.1946, -38.5295, 11.2209

Details

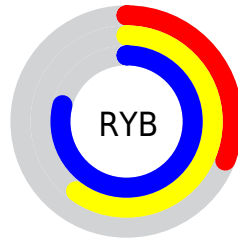
The XYZ color **30.8733, 46.5051, 41.9995** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.2940, 19.2909, 18.9584**, and the grayscale version is **33.6503, 35.4027, 38.5536**.

A 20% lighter version of the original color is **58.8961, 81.9852, 79.0502**, and **13.3030, 22.0151, 18.5871** is the 20% darker color. If you saturate the color by 10%, you get **28.9107, 45.5586, 39.0109**, and if you desaturate by 10%, it is **33.3753, 47.7287, 45.1647**.

Distribution



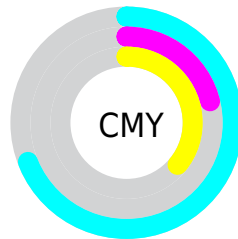
- Red (31%)
- Green (79%)
- Blue (64%)



- Red (31%)
- Yellow (60%)
- Blue (79%)



- Cyan (61%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (69%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8733, 46.5051, 41.9995 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 30.8733, 46.5051, 41.9995 by changing the saturation by 10% instead.


 30.8733, 46.5051,
41.9995


 30.8733, 46.5051,
41.9995


297.7915,
372.8356, 370.2805


 20.6537, 32.6446,
28.7753


 60.4177, 84.9744,
79.4690


 12.9822, 21.8543,
18.6668


 80.4733, 110.3520,
104.5513

 7.4932, 13.7499,
11.2554


 104.5383,
140.3374, 134.4235

 3.8214, 7.9469,
6.1226

 132.9780,
175.3151, 169.5040

 1.6016, 4.0610,
2.8498

166.1579,
215.6693, 210.2114

 0.3935, 1.7077,
1.0184

204.4431,

 0.0000, 0.4287,

261.7845, 256.9643

0.0000

248.1992,
314.0452, 310.1811

■ 0.0000, 0.0000,
0.0000

■ 30.8733, 46.5051,
41.9995

■ 30.8733, 46.5051,
41.9995

■ 28.9107, 45.5586,
39.0109

■ 33.3753, 47.7287,
45.1647

■ 27.4349, 44.8587,
36.1912

■ 36.4554, 49.2457,
48.5075

■ 26.3893, 44.3774,
33.5366

■ 40.1530, 51.0777,
52.0326

■ 25.7426, 44.0912,
31.3760

■ 44.5030, 53.2426,
55.7439

■ 49.5375, 55.7568,
59.6448

■ 55.2865, 58.6359,
63.7386

■ 61.7782, 61.8943,
68.0286

■ 69.0393, 65.5456,
72.5180

■ 75.3041, 68.6797,
77.1260

Harmonies

Analogous

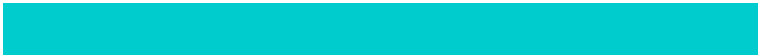
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7997, 46.5051, 26.5857



30.8733, 46.5051, 41.9995



31.1895, 46.5051, 65.3222

Triad

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



30.8733, 46.5051, 41.9995



49.0695, 46.5051, 104.7839



55.2660, 46.5051, 24.5990

Complementary

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



30.8733, 46.5051, 41.9995



30.2940, 19.2909, 18.9584

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.



60.4071, 46.5051, 38.3348



30.8733, 46.5051, 41.9995



56.5449, 46.5051, 86.0351

Square

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



30.8733, 46.5051, 41.9995



41.0731, 46.5051, 106.6565



60.9014, 46.5051, 60.3824



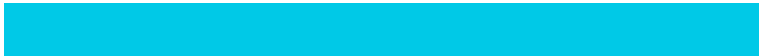
47.4853, 46.5051, 18.7534

Rectangle

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



30.8733, 46.5051, 41.9995



33.2006, 46.5051, 82.5797



60.9014, 46.5051, 60.3824



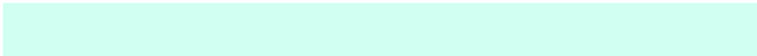
57.3985, 46.5051, 28.2189

Sweetspot

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



30.8746, 46.5069, 42.0006



77.8948, 91.4147, 96.4165



29.8692, 46.5935, 14.6277



16.1594, 19.3105, 20.2269



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.



30.8746, 46.5069, 42.0006



47.9508, 76.6582, 64.2838



29.9776, 38.2330, 61.6789



11.3872, 12.6646, 13.5966



16.6063, 28.3878, 20.4094



0.8900, 1.4778, 1.2285

Inverse Universe

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



30.2940, 19.2909, 18.9584



46.9493, 26.6890, 22.2982



30.3616, 22.3636, 9.9249



11.3553, 11.2708, 12.4054



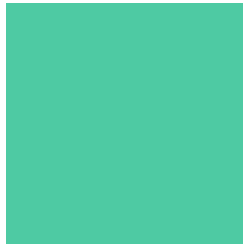
16.2964, 8.3291, 4.0134



0.8751, 0.4435, 0.3883

Previews

White Background



This preview shows how the XYZ color 30.8733, 46.5051, 41.9995 looks on a white background.

Color Contrast Check

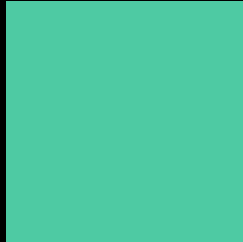
Large Text (above 18pt) WCAG AA × Fail

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 30.8733, 46.5051, 41.9995 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

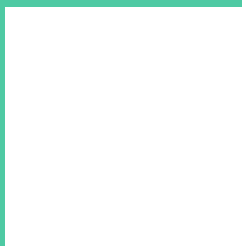
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8733, 46.5051, 41.9995

Background



This preview shows how black text looks on a background with the XYZ color 30.8733, 46.5051, 41.9995.



This preview shows how white text looks on a background with the XYZ color 30.8733, 46.5051,

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

30.8733, 46.5051, 41.9995

Protanopia

43.2240, 45.8567, 36.2788

Deuteranopia

46.6546, 45.6932, 43.8968



Tritanopia

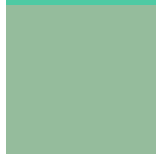
36.0968, 46.2202, 68.6469

Trichromacy



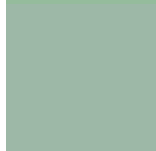
Original Color

30.8733, 46.5051, 41.9995



Protanomaly

36.3784, 44.7563, 38.1740



Deuteranomaly

38.0202, 44.2391, 43.0943



Tritanomaly

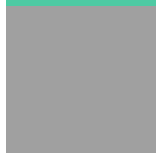
34.0515, 46.4071, 58.2017

Monochromacy



Original Color

30.8733, 46.5051, 41.9995



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.9689, 37.9790, 39.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8733, 46.5051, 41.9995 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(78, 202, 163)` looks like.

```
.text, #text, p{  
    color:rgb(78, 202, 163)  
}
```

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(78, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 202, 163) }
```

Border

The CSS property to change the border of an element to XYZ 30.8733, 46.5051, 41.9995 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(78, 202, 163) }
```


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

```
.border{ border-color:rgb(78, 202, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 202, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(78, 202,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8733, 46.5051, 41.9995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 202, 163) }
```

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

```
.background{ background-color: rgb(78, 202,  
163) }
```

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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