

Converting Colors

XYZ(30.8785, 47.0061, 51.3527)

Have a look what the booklet for
XYZ(30.8785, 47.0061, 51.3527)
contains.

XYZ(30.8478, 46.9933, 51.1608)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8478, 46.9933,
51.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	29CCB5
RGB	41, 204, 181
RGB Percent	16%, 80%, 71%
CMY	0.8392, 0.2000, 0.2902
CMYK	0.80, 0.00, 0.11, 0.20
HSL	172°, 67%, 48%
HSV	172°, 80%, 80%
XYZ	30.8478, 46.9933, 51.1608
YIQ	152.6410, -89.7650, -41.7090

Conversions

Conversions Part 2

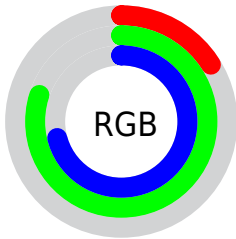
Format	Color
R_{YB}	41, 129, 204
Decimal	2739381
CIE _{Lab}	74.19, -45.12, 0.01
CIE _{LCh}	74, 45.121, 179.991
Yxy	46.9933, 0.2391, 0.3643
Android (android.graphics.Color)	4280929461 (0xFF29CCB5)
YUV	152.6410, 13.9810, -97.9092
Hunter-Lab	68.5517, -39.6416, 3.7374

Details

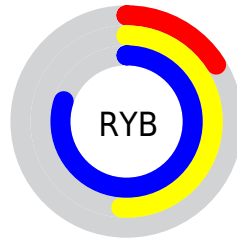
The XYZ color **30.8478, 46.9933, 51.1608** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.6218, 14.7948, 6.3050**, and the grayscale version is **30.0935, 31.6607, 34.4785**.

A 20% lighter version of the original color is **58.2485, 81.3474, 92.7524**, and **14.6437, 23.0534, 24.1000** is the 20% darker color. If you saturate the color by 10%, you get **29.9429, 46.5617, 49.5932**, and if you desaturate by 10%, it is **32.1827, 47.6481, 52.7825**.

Distribution



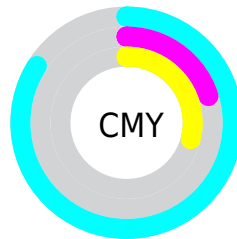
- Red (16%)
- Green (80%)
- Blue (71%)



- Red (16%)
- Yellow (51%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)



- Cyan (84%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8478, 46.9933, 51.1608 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 30.8478, 46.9933, 51.1608 by changing the saturation by 10% instead.

■ 30.8478, 46.9933,
51.1608

■ 30.8478, 46.9933,
51.1608

297.6759,
374.7878, 408.0526

■ 20.6342, 33.0304,
35.9590

■ 60.3778, 85.7036,
93.3064

■ 12.9678, 22.1497,
24.1131

■ 80.4250, 111.2198,
121.0872

■ 7.4833, 13.9669,
15.2045

■ 104.4808,
141.3558, 153.8981

■ 3.8151, 8.0977,
8.8149

■ 132.9105,
176.4961, 192.1576

■ 1.5981, 4.1575,
4.5255

■ 166.0795,
217.0251, 236.2842

■ 0.3912, 1.7621,
1.9178

204.3532,

■ 0.0000, 0.4634,

263.3271, 286.6966

0.5040

248.0969,
315.7865, 343.8132

■ 0.0000, 0.0000,
0.0000

■ 30.8478, 46.9933,
51.1608

■ 30.8478, 46.9933,
51.1608

■ 29.9429, 46.5617,
49.5932

■ 32.1827, 47.6481,
52.7825

■ 29.3581, 46.2933,
48.0712

■ 34.0008, 48.5502,
54.4578

■ 29.3525, 46.2907,
48.0556

■ 36.3520, 49.7263,
56.1903

■ 39.2785, 51.1984,
57.9822

■ 42.8187, 52.9861,
59.8354

■ 47.0074, 55.1073,
61.7518

■ 51.8769, 57.5788,
63.7329

■ 57.4572, 60.4160,
65.7805

■ 63.7765, 63.6335,
67.8960

Harmonies

Analogous

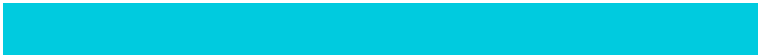
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.5057, 46.9933, 31.9666



30.8478, 46.9933, 51.1608



32.5037, 46.9933, 76.8195

Triad

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



30.8478, 46.9933, 51.1608



52.9001, 46.9933, 100.2556



52.9048, 46.9933, 21.4759

Complementary

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



30.8478, 46.9933, 51.1608



26.6218, 14.7948, 6.3050

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.



59.5362, 46.9933, 31.9754



30.8478, 46.9933, 51.1608



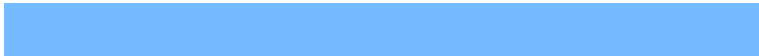
59.5333, 46.9933, 76.8352

Square

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



30.8478, 46.9933, 51.1608



44.6633, 46.9933, 109.8875



62.0943, 46.9933, 51.1746



44.6681, 46.9933, 18.2995

Rectangle

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



30.8478, 46.9933, 51.1608



35.3940, 46.9933, 93.4308



62.0943, 46.9933, 51.1746



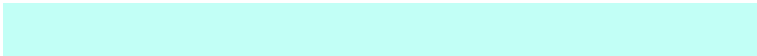
55.4299, 46.9933, 24.0710

Sweetspot

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



30.8492, 46.9951, 51.1619



74.6472, 89.6390, 100.8492



24.2046, 44.4870, 9.4100



15.4522, 18.9204, 21.3417



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.



30.8492, 46.9951, 51.1619



48.8661, 76.7772, 80.2695



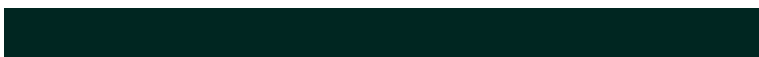
22.2412, 25.6852, 60.9142



11.4725, 12.6988, 14.0458



18.5003, 29.1454, 30.3834



0.9736, 1.5112, 1.6684

Inverse Universe

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



26.6218, 14.7948, 6.3050



41.8195, 21.6689, 4.4355



29.6763, 21.7443, 4.7318



11.2757, 11.2390, 11.9867



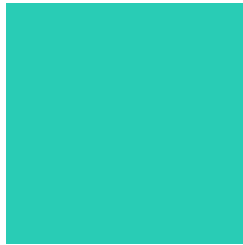
15.8321, 8.1434, 1.5687



0.8382, 0.4287, 0.1936

Previews

White Background



This preview shows how the XYZ color 30.8478, 46.9933, 51.1608 looks on a white background.

Color Contrast Check

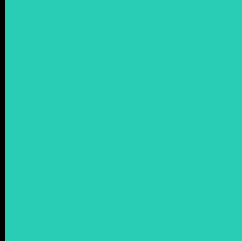
Large Text (above 18pt) WCAG AA × Fail

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 30.8478, 46.9933, 51.1608 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

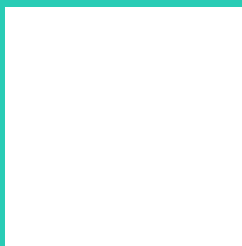
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8478, 46.9933, 51.1608

Background



This preview shows how black text looks on a background with the XYZ color 30.8478, 46.9933, 51.1608.

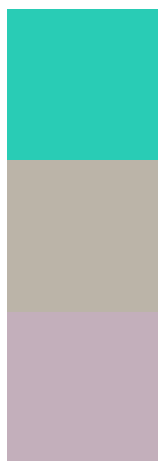


This preview shows how white text looks on a background with the XYZ color 30.8478, 46.9933,

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

30.8478, 46.9933, 51.1608

Protanopia

43.8827, 46.0345, 43.6185

Deuteranopia

46.8053, 45.8499, 53.3967



Tritanopia

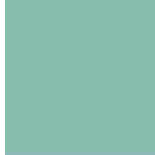
34.8691, 46.8770, 71.5003

Trichromacy



Original Color

30.8478, 46.9933, 51.1608



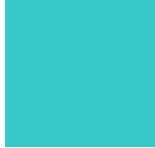
Protanomaly

35.5719, 44.4807, 46.2459



Deuteranomaly

36.9633, 44.1096, 52.4648



Tritanomaly

33.2970, 46.9258, 63.8026

Monochromacy



Original Color

30.8478, 46.9933, 51.1608



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.0455, 35.5941, 40.0425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8478, 46.9933, 51.1608 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(41, 204, 181)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 181)  
}
```

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(41, 204, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 181) }
```

Border

The CSS property to change the border of an element to XYZ 30.8478, 46.9933, 51.1608 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(41, 204, 181) }
```


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

```
.border{ border-color:rgb(41, 204, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 181);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8478, 46.9933, 51.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 181) }
```

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

```
.background{ background-color: rgb(41, 204,  
181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor