

Converting Colors

XYZ(30.1049, 46.4138, 45.7316)

Have a look what the booklet for
XYZ(30.1049, 46.4138, 45.7316)
contains.

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Color

**XYZ(30.1228, 46.3822,
45.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	34CBAB
RGB	52, 203, 171
RGB Percent	20%, 80%, 67%
CMY	0.7960, 0.2039, 0.3294
CMYK	0.74, 0.00, 0.16, 0.20
HSL	167°, 59%, 50%
HSV	167°, 74%, 80%
XYZ	30.1228, 46.3822, 45.8931
YIQ	154.2030, -79.7240, -41.9640

Conversions

Conversions Part 2

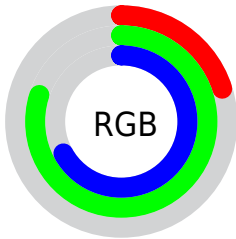
Format	Color
RYB	52, 136, 203
Decimal	3460011
CIELab	73.79, -46.14, 4.86
CIELCh	74, 46.397, 173.986
Yxy	46.3822, 0.2461, 0.3789
Android (android.graphics.Color)	4281650091 (0xFF34CBAB)
YUV	154.2030, 8.2809, -89.6320
Hunter-Lab	68.1045, -40.2318, 7.7198

Details

The XYZ color **30.1228, 46.3822, 45.8931** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **27.4584, 15.7939, 9.9907**, and the grayscale version is **30.7957, 32.3995, 35.2830**.

A 20% lighter version of the original color is **57.3726, 81.0759, 84.5769**, and **13.9197, 22.5117, 21.0643** is the 20% darker color. If you saturate the color by 10%, you get **28.8906, 45.7947, 43.7302**, and if you desaturate by 10%, it is **31.8200, 47.2101, 48.1495**.

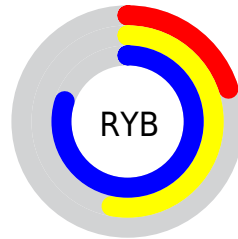
Distribution



Red (20%)

Green (80%)

Blue (67%)



Red (20%)

Yellow (53%)

Blue (80%)

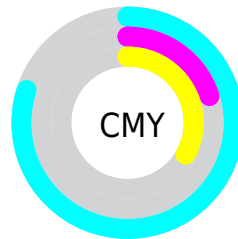


Cyan (74%)

Magenta (0%)

Yellow (16%)

Black (20%)



Cyan (80%)


Magenta (20%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1228, 46.3822, 45.8931 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 30.1228, 46.3822, 45.8931 by changing the saturation by 10% instead.


 30.1228, 46.3822,
45.8931


 30.1228, 46.3822,
45.8931


294.3760,
372.3431, 386.6438

 20.0804, 32.5475,
31.8134


 59.2416, 84.7907,
85.3916

 12.5621, 21.7801,
20.9554

 79.0487, 110.1333,
111.6475


 7.2026, 13.6954,
12.9005


 102.8414,
140.0807, 142.7992

 3.6366, 7.9091,
7.2301

 130.9850,
175.0173, 179.2652

 1.4987, 4.0368,
3.5258

 163.8449,
215.3274, 221.4642

 0.3249, 1.6942,
1.3690

201.7865,

 0.0000, 0.4199,

261.3955, 269.8146

0.1173

245.1750,
313.6059, 324.7349

■ 0.0000, 0.0000,
0.0000

■ 30.1228, 46.3822,
45.8931

■ 30.1228, 46.3822,
45.8931

■ 28.8906, 45.7947,
43.7302

■ 31.8200, 47.2101,
48.1495

■ 28.0571, 45.4101,
41.6539

■ 34.0295, 48.2994,
50.4993

■ 27.7000, 45.2507,
40.5225

■ 36.7972, 49.6749,
52.9461

■ 40.1625, 51.3569,
55.4925

■ 44.1613, 53.3639,
58.1408

■ 48.8268, 55.7130,
60.8931

■ 54.1896, 58.4199,
63.7515

■ 60.2785, 61.4995,
66.7178

■ 67.1205, 64.9657,
69.7941

Harmonies

Analogous

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



32.4640, 46.3822, 28.2329



30.1228, 46.3822, 45.8931



31.1282, 46.3822, 71.3006

Triad

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



30.1228, 46.3822, 45.8931



50.8491, 46.3822, 104.3827



54.0794, 46.3822, 21.9586

Complementary

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



30.1228, 46.3822, 45.8931



27.4584, 15.7939, 9.9907

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.



60.2145, 46.3822, 34.2016



30.1228, 46.3822, 45.8931



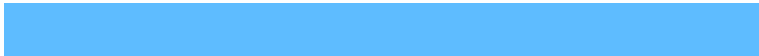
58.1928, 46.3822, 82.1808

Square

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



30.1228, 46.3822, 45.8931



42.4446, 46.3822, 110.4537



61.8064, 46.3822, 55.4103



45.7669, 46.3822, 17.4679

Rectangle

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



30.1228, 46.3822, 45.8931



33.6332, 46.3822, 89.0545



61.8064, 46.3822, 55.4103



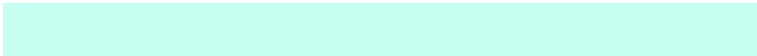
56.5044, 46.3822, 25.0766

Sweetspot

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



30.1241, 46.3840, 45.8942



75.4810, 90.1262, 98.2992



25.6979, 44.8798, 10.5580



15.7252, 19.0741, 20.7734



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.



30.1241, 46.3840, 45.8942



47.4906, 76.2677, 71.1861



24.8056, 30.2606, 61.0354



11.4375, 12.6847, 13.8612



17.6619, 28.8101, 25.9685



0.9373, 1.4967, 1.4774

Inverse Universe

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



27.4584, 15.7939, 9.9907



42.9661, 22.6168, 8.9656



29.3228, 21.0915, 5.7753



11.3080, 11.2519, 12.1565



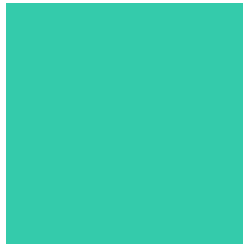
15.9788, 8.2021, 2.3411



0.8530, 0.4346, 0.2717

Previews

White Background



This preview shows how the XYZ color 30.1228, 46.3822, 45.8931 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 30.1228, 46.3822, 45.8931 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

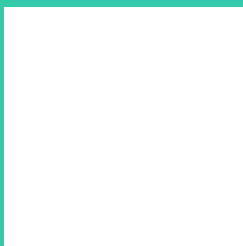
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1228, 46.3822, 45.8931

Background



This preview shows how black text looks on a background with the XYZ color 30.1228, 46.3822, 45.8931.



This preview shows how white text looks on a background with the XYZ color 30.1228, 46.3822,

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

30.1228, 46.3822, 45.8931

Protanopia

43.0307, 45.4002, 38.8429

Deuteranopia

46.3606, 45.4522, 47.9247



Tritanopia

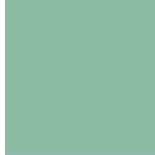
34.8781, 46.2325, 70.0363

Trichromacy



Original Color

30.1228, 46.3822, 45.8931



Protanomaly

35.2415, 44.0998, 41.3050



Deuteranomaly

36.7639, 43.8128, 47.0765



Tritanomaly

32.9312, 46.1174, 60.5920

Monochromacy



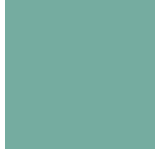
Original Color

30.1228, 46.3822, 45.8931



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.4338, 35.8250, 38.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1228, 46.3822, 45.8931 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(52, 203, 171)` looks like.

```
.text, #text, p{  
    color:rgb(52, 203, 171)  
}
```

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(52, 203, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 203, 171) }
```

Border

The CSS property to change the border of an element to XYZ 30.1228, 46.3822, 45.8931 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(52, 203, 171) }
```


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

```
.border{ border-color:rgb(52, 203, 171) }
```

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

Here you see how a box with a 4 pixel rgb(52, 203, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 203, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 203, 171);  
box-shadow:4px 4px 4px 4px rgb(52, 203,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1228, 46.3822, 45.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 203, 171) }
```

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

```
.background{ background-color: rgb(52, 203,  
171) }
```

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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