

Converting Colors

XYZ(30.4730, 46.3830, 49.1662)

Have a look what the booklet for
XYZ(30.4730, 46.3830, 49.1662)
contains.

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Color

**XYZ(30.5107, 46.5146,
48.9651)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 30CBB1 |
| RGB | 48, 203, 177 |
| RGB Percent | 19%, 80%, 69% |
| CMY | 0.8117, 0.2039, 0.3059 |
| CMYK | 0.76, 0.00, 0.13, 0.20 |
| HSL | 170°, 62%, 49% |
| HSV | 170°, 76%, 80% |
| XYZ | 30.5107, 46.5146, 48.9651 |
| YIQ | 153.6910, -84.0340, -40.9460 |

Conversions

Conversions Part 2

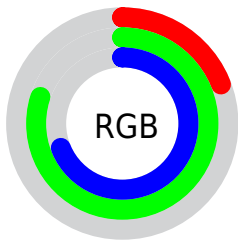
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 48, 133, 203 |
| Decimal | 3197873 |
| CIE Lab | 73.88, -45.05, 1.73 |
| CIE LCh | 74, 45.086, 177.796 |
| Yxy | 46.5146, 0.2422, 0.3692 |
| Android (android.graphics.Color) | 4281387953 (0xFF30CBB1) |
| YUV | 153.6910, 11.4913, -92.6910 |
| Hunter-Lab | 68.2016, -39.4990, 5.1741 |

Details

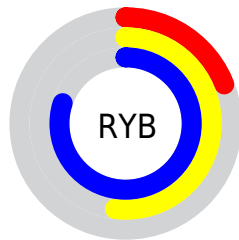
The XYZ color **30.5107, 46.5146, 48.9651** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.9232, 15.3062, 8.0159**, and the grayscale version is **30.5592, 32.1506, 35.0120**.

A 20% lighter version of the original color is **58.0757, 81.3251, 89.7272**, and **14.2916, 22.6605, 23.0227** is the 20% darker color. If you saturate the color by 10%, you get **29.4283, 45.9965, 47.1654**, and if you desaturate by 10%, it is **32.0420, 47.2654, 50.8321**.

Distribution



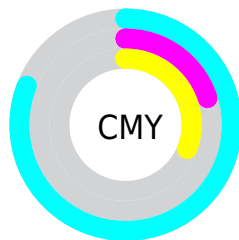
- Red (19%)
- Green (80%)
- Blue (69%)



- Red (19%)
- Yellow (52%)
- Blue (80%)



- Cyan (76%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (81%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5107, 46.5146, 48.9651 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 30.5107, 46.5146, 48.9651 by changing the saturation by 10% instead.

30.5107, 46.5146,
48.9651

30.5107, 46.5146,
48.9651

296.1450,
372.8737, 399.2234

20.3765, 32.6521,
34.2264

59.8500, 84.9886,
90.0201

12.7789, 21.8601,
22.7888

79.7858, 110.3689,
117.1734

7.3524, 13.7541,
14.2338

103.7196,
140.3573, 149.3020

3.7317, 7.9498,
8.1429

132.0167,
175.3381, 186.8245

1.5515, 4.0629,
4.0974

165.0424,
215.6957, 230.1593

0.3605, 1.7088,
1.6789

203.1621,

0.0000, 0.4293,

261.8146, 279.7251

0.3462

246.7412,
314.0791, 335.9402

■ 0.0000, 0.0000,
0.0000

■ 30.5107, 46.5146,
48.9651

■ 30.5107, 46.5146,
48.9651

■ 29.4283, 45.9965,
47.1654

■ 32.0420, 47.2654,
50.8321

■ 28.7232, 45.6707,
45.4262

■ 34.0713, 48.2708,
52.7660

■ 28.5132, 45.5760,
44.8046

■ 36.6454, 49.5561,
54.7702

■ 39.8046, 51.1421,
56.8469

■ 43.5854, 53.0475,
58.9982

■ 48.0214, 55.2896,
61.2260

■ 53.1436, 57.8845,
63.5319

■ 58.9811, 60.8470,
65.9176

■ 65.5612, 64.1914,
68.3848

Harmonies

Analogous

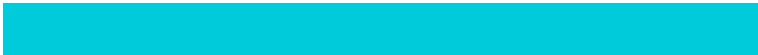
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.3938, 46.5146, 30.5513



30.5107, 46.5146, 48.9651



31.9136, 46.5146, 74.1842

Triad

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



30.5107, 46.5146, 48.9651



51.8064, 46.5146, 100.6808



52.9578, 46.5146, 21.6940

Complementary

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



30.5107, 46.5146, 48.9651



26.9232, 15.3062, 8.0159

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.



59.3194, 46.5146, 32.7025



30.5107, 46.5146, 48.9651



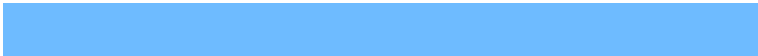
58.6000, 46.5146, 78.0479

Square

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



30.5107, 46.5146, 48.9651



43.6197, 46.5146, 108.9078



61.4982, 46.5146, 52.3659



44.8071, 46.5146, 18.0708

Rectangle

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



30.5107, 46.5146, 48.9651



34.6310, 46.5146, 90.9572



61.4982, 46.5146, 52.3659



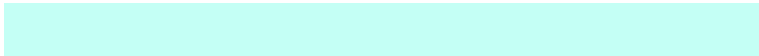
55.4119, 46.5146, 24.4508

Sweetspot

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



30.5120, 46.5164, 48.9662



75.1221, 89.9052, 99.9091



24.9047, 44.4808, 10.0703



15.5304, 18.9663, 21.0962



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.



30.5120, 46.5164, 48.9662



48.4053, 76.6124, 76.9609



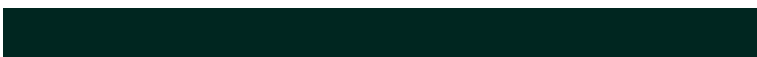
23.5419, 28.0259, 60.6707



11.4593, 12.6935, 13.9761



18.1742, 29.0150, 28.6660



0.9596, 1.5056, 1.5947

Inverse Universe

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



26.9232, 15.3062, 8.0159



42.3065, 22.0982, 6.2769



29.4462, 21.4766, 5.3907



11.2878, 11.2439, 12.0504



15.8808, 8.1629, 1.8251



0.8437, 0.4309, 0.2230

Previews

White Background



This preview shows how the XYZ color 30.5107, 46.5146, 48.9651 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 30.5107, 46.5146, 48.9651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

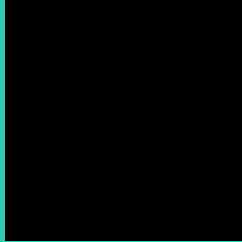
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

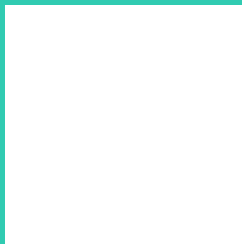
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5107, 46.5146, 48.9651

Background



This preview shows how black text looks on a background with the XYZ color 30.5107, 46.5146, 48.9651.

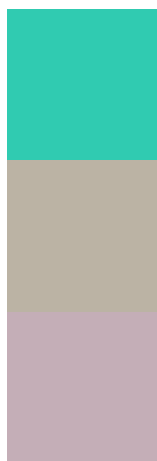


This preview shows how white text looks on a background with the XYZ color 30.5107, 46.5146,

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

30.5107, 46.5146, 48.9651

Protanopia

43.3145, 45.4853, 41.6186

Deuteranopia

46.4482, 45.4268, 51.1199



Tritanopia

34.9302, 46.5828, 70.7687

Trichromacy



Original Color

30.5107, 46.5146, 48.9651



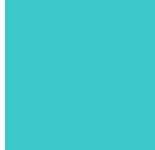
Protanomaly

35.2980, 44.0653, 44.1812



Deuteranomaly

36.8448, 43.7849, 50.2255



Tritanomaly

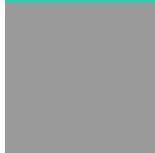
33.2468, 46.5824, 62.4973

Monochromacy



Original Color

30.5107, 46.5146, 48.9651



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.3443, 35.7585, 39.5906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5107, 46.5146, 48.9651 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(48, 203, 177)` looks like.

```
.text, #text, p{  
  color:rgb(48, 203, 177)  
}
```

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(48, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 203, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.5107, 46.5146, 48.9651 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(48, 203, 177) }
```


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

```
.border{ border-color:rgb(48, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(48, 203,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5107, 46.5146, 48.9651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 203, 177) }
```

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

```
.background{ background-color: rgb(48, 203,  
177) }
```

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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