

Converting Colors

XYZ(30.5295, 46.8331, 26.5112)

Have a look what the booklet for
XYZ(30.5295, 46.8331, 26.5112)
contains.

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Color

**XYZ(30.4675, 46.6394,
26.4653)**

Conversions

Conversions Part 1

Format	Color
Hex	68CA7C
RGB	104, 202, 124
RGB Percent	41%, 79%, 49%
CMY	0.5922, 0.2078, 0.5137
CMYK	0.49, 0.00, 0.39, 0.21
HSL	132°, 48%, 60%
HSV	132°, 49%, 79%
XYZ	30.4675, 46.6394, 26.4653
YIQ	163.8060, -33.3700, -45.0340

Conversions

Conversions Part 2

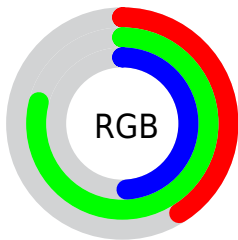
Format	Color
RYB	104, 185, 202
Decimal	6867580
CIELab	73.96, -45.56, 30.29
CIELCh	74, 54.708, 146.387
Yxy	46.6394, 0.2942, 0.4503
Android (android.graphics.Color)	4285057660 (0xFF68CA7C)
YUV	163.8060, -19.6244, -52.4499
Hunter-Lab	68.2930, -39.8788, 24.8287

Details

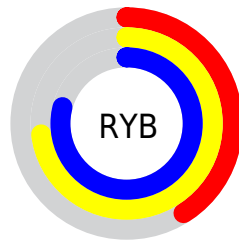
The XYZ color **30.4675, 46.6394, 26.4653** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.7523, 25.8353, 47.2541**, and the grayscale version is **35.2970, 37.1352, 40.4402**.

A 20% lighter version of the original color is **58.1930, 82.1679, 54.3879**, and **12.7519, 21.9197, 10.0374** is the 20% darker color. If you saturate the color by 10%, you get **27.4625, 45.1997, 21.4433**, and if you desaturate by 10%, it is **34.2022, 48.4388, 32.3888**.

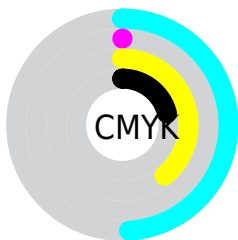
Distribution



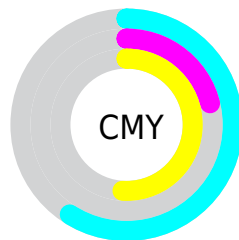
- Red (41%)
- Green (79%)
- Blue (49%)



- Red (41%)
- Yellow (73%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (21%)




- Cyan (59%)
- Magenta (21%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4675, 46.6394, 26.4653 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 30.4675, 46.6394, 26.4653 by changing the saturation by 10% instead.

 30.4675, 46.6394,
26.4653


 30.4675, 46.6394,
26.4653


295.9484,
373.3733, 298.7366


 20.3435, 32.7507,
16.9432


 59.7823, 85.1751,
55.0179


 12.7547, 21.9355,
10.0325


 79.7038, 110.5909,
74.8855

 7.3357, 13.8095,
5.3146


 103.6219,
140.6178, 99.0386

 3.7211, 7.9883,
2.3711

 131.9020,
175.6403, 127.8958

 1.5456, 4.0875,
0.7706

164.9093,
216.0426, 161.8757

 0.3565, 1.7226,
0.0000

203.0092,

 0.0000, 0.4382,

262.2093, 201.3968

0.0000

246.5671,
314.5248, 246.8776

■ 0.0000, 0.0000,
0.0000

■ 30.4675, 46.6394,
26.4653

■ 30.4675, 46.6394,
26.4653

■ 27.4625, 45.1997,
21.4433

■ 34.2022, 48.4388,
32.3888

■ 25.1350, 44.0896,
17.2756

■ 38.7074, 50.6141,
39.2519

■ 23.4311, 43.2838,
13.9152


■ 44.0248, 53.1872,
47.0941


■ 22.2869, 42.7505,
11.3094

■ 50.1922, 56.1770,
55.9518


■ 21.6064, 42.4413,
9.3982


■ 57.2450, 59.6008,
65.8596

 21.5257, 42.4046,
9.1691

 65.2165, 63.4753,
76.8504

 74.1383, 67.8160,
88.9556

 80.0312, 70.5708,
102.0178

 80.4115, 70.7230,
104.0205

Harmonies

Analogous

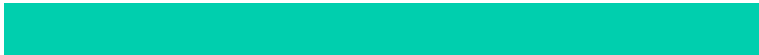
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5023, 46.6394, 16.2528



30.4675, 46.6394, 26.4653



28.1164, 46.6394, 47.4707

Triad

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



30.4675, 46.6394, 26.4653



43.1574, 46.6394, 125.5065



63.3517, 46.6394, 30.4483

Complementary

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



30.4675, 46.6394, 26.4653



37.7523, 25.8353, 47.2541

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.



65.8159, 46.6394, 54.2446



30.4675, 46.6394, 26.4653



53.2022, 46.6394, 115.7328

Square

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



30.4675, 46.6394, 26.4653



34.7325, 46.6394, 109.9669



61.8633, 46.6394, 86.7166



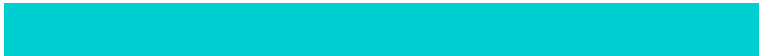
55.5487, 46.6394, 17.8893

Rectangle

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



30.4675, 46.6394, 26.4653



28.6549, 46.6394, 67.5014



61.8633, 46.6394, 86.7166



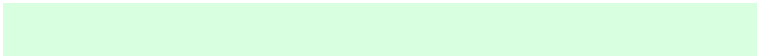
64.8770, 46.6394, 37.0806

Sweetspot

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



30.4687, 46.6413, 26.4663



77.8312, 91.6455, 84.5046



43.0070, 53.2367, 21.1058



16.2000, 19.3935, 17.4236



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.



30.4687, 46.6413, 26.4663



46.3713, 76.4663, 36.0898



34.3349, 48.1878, 46.8256



11.1601, 12.5738, 12.4007



13.8771, 27.2961, 6.0377



0.7439, 1.4194, 0.4589

Inverse Universe

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



37.7523, 25.8353, 47.2541



60.0735, 37.2224, 75.1201



33.5700, 24.1624, 25.2305



11.5856, 11.3630, 13.6185



19.8330, 9.7438, 22.6371



1.0486, 0.5129, 1.3019

Previews

White Background



This preview shows how the XYZ color 30.4675, 46.6394, 26.4653 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 30.4675, 46.6394, 26.4653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

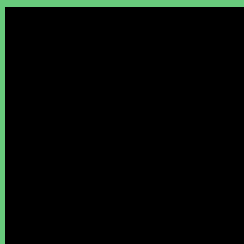
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

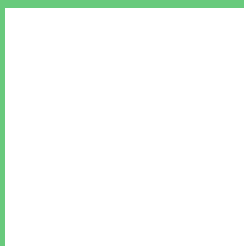
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4675, 46.6394, 26.4653

Background



This preview shows how black text looks on a background with the XYZ color 30.4675, 46.6394, 26.4653.

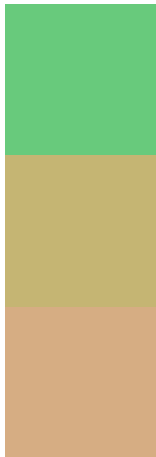


This preview shows how white text looks on a background with the XYZ color 30.4675, 46.6394,

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

30.4675, 46.6394, 26.4653

Protanopia

42.6443, 46.1559, 22.8810

Deuteranopia

46.7719, 45.8220, 27.8521



Tritanopia

38.2805, 46.4152, 65.9729

Trichromacy



Original Color

30.4675, 46.6394, 26.4653



Protanomaly

36.5719, 45.4897, 23.9924



Deuteranomaly

38.4923, 44.8382, 27.0479



Tritanomaly

34.8782, 46.3672, 48.7065

Monochromacy



Original Color

30.4675, 46.6394, 26.4653



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.5005, 39.7615, 34.3955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4675, 46.6394, 26.4653 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(104, 202, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 202, 124)  
}
```

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(104, 202, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 202, 124) }
```

Border

The CSS property to change the border of an element to XYZ 30.4675, 46.6394, 26.4653 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(104, 202, 124) }
```


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

```
.border{ border-color:rgb(104, 202, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 202, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 202, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 202, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 202,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4675, 46.6394, 26.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 202, 124) }
```

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

```
.background{ background-color: rgb(104,  
202, 124) }
```

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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