

Converting Colors

XYZ(34.0640, 46.9361, 50.0398)

Have a look what the booklet for
XYZ(34.0640, 46.9361, 50.0398)
contains.

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Color

**XYZ(34.0396, 46.9263,
49.9114)**

Conversions

Conversions Part 1

Format	Color
Hex	66C7B3
RGB	102, 199, 179
RGB Percent	40%, 78%, 70%
CMY	0.6000, 0.2196, 0.2980
CMYK	0.49, 0.00, 0.10, 0.22
HSL	168°, 46%, 59%
HSV	168°, 49%, 78%
XYZ	34.0396, 46.9263, 49.9114
YIQ	167.7170, -51.3920, -26.7840

Conversions

Conversions Part 2

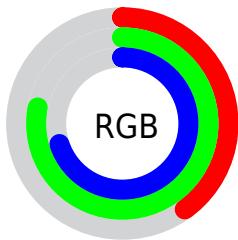
Format	Color
RYB	102, 156, 199
Decimal	6735795
CIELab	74.14, -33.47, 1.21
CIElCh	74, 33.494, 177.931
Yxy	46.9263, 0.2601, 0.3586
Android (android.graphics.Color)	4284925875 (0xFF66C7B3)
YUV	167.7170, 5.5625, -57.6338
Hunter-Lab	68.5028, -31.1817, 4.7530

Details

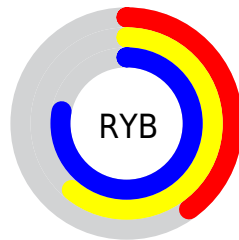
The XYZ color **34.0396, 46.9263, 49.9114** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.8190, 23.0513, 21.1864**, and the grayscale version is **37.0735, 39.0042, 42.4756**.

A 20% lighter version of the original color is **65.0535, 84.8891, 91.5538**, and **14.8057, 22.2286, 23.2489** is the 20% darker color. If you saturate the color by 10%, you get **31.6407, 45.7380, 47.6656**, and if you desaturate by 10%, it is **36.9948, 48.4023, 52.2498**.

Distribution



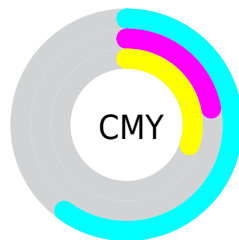
- Red (40%)
- Green (78%)
- Blue (70%)



- Red (40%)
- Yellow (61%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (60%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0396, 46.9263, 49.9114 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 34.0396, 46.9263, 49.9114 by changing the saturation by 10% instead.


 34.0396, 46.9263,
49.9114


 34.0396, 46.9263,
49.9114


311.8914,
374.5203, 403.0445


 23.0871, 32.9774,
34.9723


 65.3391, 85.6036,
91.4385


 14.7789, 22.1091,
23.3582


 86.4168, 111.1008,
118.8637

 8.7496, 13.9371,
14.6504


 111.6003,
141.2162, 151.2879

 4.6340, 8.0769,
8.4305

 141.2548,
176.3342, 189.1298

 2.0667, 4.1442,
4.2799

175.7459,
216.8392, 232.8079

 0.6710, 1.7546,
1.7801

215.4388,

 0.0000, 0.4586,

263.1156, 282.7406

0.4148

260.6988,
315.5479, 339.3467

■ 0.0000, 0.0000,
0.0000

■ 34.0396, 46.9263,
49.9114

■ 34.0396, 46.9263,
49.9114

■ 31.6407, 45.7380,
47.6656

■ 36.9948, 48.4023,
52.2498

■ 29.7547, 44.8116,
45.5066

■ 40.5380, 50.1787,
54.6798

■ 28.3380, 44.1257,
43.4330


■ 44.7029, 52.2743,
57.2044


■ 27.3379, 43.6532,
41.4417


■ 49.5198, 54.7044,
59.8256


■ 26.6688, 43.3499,
39.5282


■ 55.0169, 57.4838,
62.5453

 26.5930, 43.3159,
39.2924

 61.2206, 60.6259,
65.3652

 68.1559, 64.1437,
68.2870

 73.5265, 66.8533,
71.2037

 74.0503, 67.0629,
73.9623

Harmonies

Analogous

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



35.5243, 46.9263, 35.4861



34.0396, 46.9263, 49.9114



35.1677, 46.9263, 68.1826

Triad

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



34.0396, 46.9263, 49.9114



50.2260, 46.9263, 86.1903



51.0107, 46.9263, 27.9026

Complementary

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



34.0396, 46.9263, 49.9114



31.8190, 23.0513, 21.1864

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.



55.5887, 46.9263, 37.1309



34.0396, 46.9263, 49.9114



55.1078, 46.9263, 70.7171

Square

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



34.0396, 46.9263, 49.9114



44.1869, 46.9263, 91.7272



57.1505, 46.9263, 52.2967



45.0198, 46.9263, 24.6818

Rectangle

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



34.0396, 46.9263, 49.9114



37.3115, 46.9263, 79.7493



57.1505, 46.9263, 52.2967



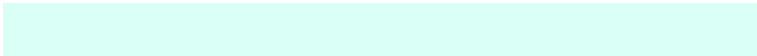
52.7854, 46.9263, 30.2863

Sweetspot

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



34.0409, 46.9282, 49.9125



81.1069, 92.9558, 101.7543



30.9939, 46.0203, 19.8205



16.9877, 19.7085, 21.5715



0.0000, 0.0000, 0.0000



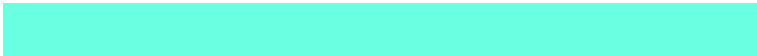
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0409, 46.9282, 49.9125



55.3582, 80.0611, 83.4142



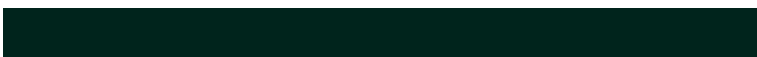
30.4504, 36.2714, 59.4311



10.8494, 12.0286, 13.1571



17.1317, 27.8650, 25.4356



0.8355, 1.3291, 1.3325

Inverse Universe

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



31.8190, 23.0513, 21.1864



51.0665, 33.6196, 27.6901



33.8671, 28.9310, 16.3705



10.7218, 10.6721, 11.5185



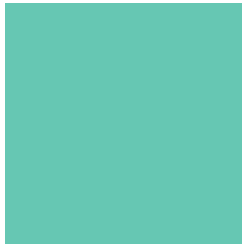
15.4290, 7.9212, 2.2030



0.7575, 0.3858, 0.2459

Previews

White Background



This preview shows how the XYZ color 34.0396, 46.9263, 49.9114 looks on a white background.

Color Contrast Check

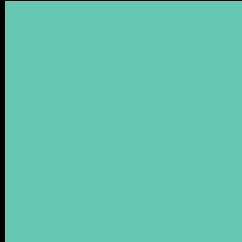
Large Text (above 18pt) WCAG AA × Fail

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 34.0396, 46.9263, 49.9114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

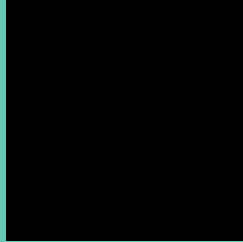
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0396, 46.9263, 49.9114

Background



This preview shows how black text looks on a background with the XYZ color 34.0396, 46.9263, 49.9114.

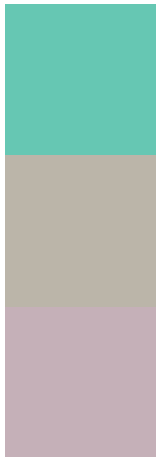


This preview shows how white text looks on a background with the XYZ color 34.0396, 46.9263,

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

34.0396, 46.9263, 49.9114

Protanopia

44.1788, 46.4771, 44.1786

Deuteranopia

47.2030, 46.3817, 51.8121



Tritanopia

37.4802, 46.6162, 67.9952

Trichromacy



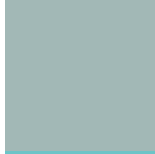
Original Color

34.0396, 46.9263, 49.9114



Protanomaly

39.2363, 46.0515, 46.3560



Deuteranomaly

40.4843, 45.3398, 50.8737



Tritanomaly

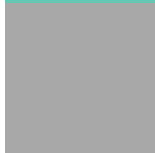
36.2331, 46.7915, 61.1548

Monochromacy



Original Color

34.0396, 46.9263, 49.9114



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0681, 41.1480, 45.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0396, 46.9263, 49.9114 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(102, 199, 179)` looks like.

```
.text, #text, p{  
    color:rgb(102, 199, 179)  
}
```

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(102, 199, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 199, 179) }
```

Border

The CSS property to change the border of an element to XYZ 34.0396, 46.9263, 49.9114 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(102, 199, 179) }
```


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

```
.border{ border-color:rgb(102, 199, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 199, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 199, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 199, 179);  
box-shadow:4px 4px 4px 4px rgb(102, 199,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0396, 46.9263, 49.9114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 199, 179) }
```

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

```
.background{ background-color: rgb(102,  
199, 179) }
```

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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