

Converting Colors

XYZ(32.6705, 56.2087, 48.8694)

Have a look what the booklet for
XYZ(32.6705, 56.2087, 48.8694)
contains.

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Color

**XYZ(34.7392, 57.4098,
48.7854)**

Conversions

Conversions Part 1

Format	Color
Hex	00E2AD
RGB	0, 226, 173
RGB Percent	0%, 89%, 68%
CMY	0.9999, 0.1137, 0.3216
CMYK	1.00, 0.00, 0.23, 0.11
HSL	166°, 100%, 44%
HSV	166°, 100%, 89%
XYZ	34.7392, 57.4098, 48.7854
YIQ	152.3840, -117.6830, -64.3950

Conversions

Conversions Part 2

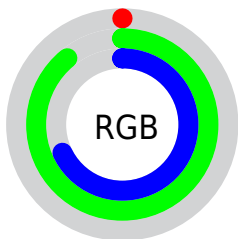
Format	Color
RYB	0, 128, 226
Decimal	58029
CIELab	80.41, -58.07, 13.18
CIELCh	80, 59.546, 167.209
Yxy	57.4098, 0.2465, 0.4074
Android (android.graphics.Color)	4278248109 (0xFF00E2AD)
YUV	152.3840, 10.1637, -133.6408
Hunter-Lab	75.7693, -50.7563, 14.8635

Details

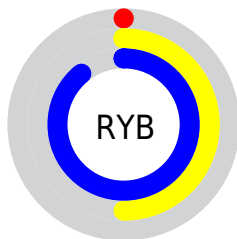
The XYZ color **34.7392, 57.4098, 48.7854** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.0090, 16.4275, 4.8565**, and the grayscale version is **30.0102, 31.5731, 34.3831**.

A 20% lighter version of the original color is **55.9479, 80.3096, 85.9513**, and **17.6392, 29.7564, 22.9030** is the 20% darker color. If you saturate the color by 10%, you get **34.7395, 57.4115, 48.7824**, and if you desaturate by 10%, it is **35.6087, 57.7990, 51.5587**.

Distribution



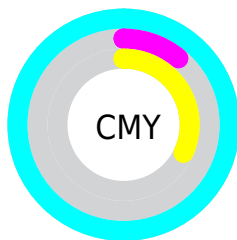
- Red (0%)
- Green (89%)
- Blue (68%)



- Red (0%)
- Yellow (50%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7392, 57.4098, 48.7854 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 34.7392, 57.4098, 48.7854 by changing the saturation by 10% instead.


 34.7392, 57.4098,
48.7854


 34.7392, 57.4098,
48.7854


314.9439,
414.9831, 398.4950


 23.6276, 41.3343,
34.0849


 66.4182, 101.0629,
89.7503


 15.1809, 28.5804,
22.6809


 87.7164, 129.4093,
116.8518

 9.0336, 18.7637,
14.1550


 113.1408,
162.6149, 148.9240

 4.8204, 11.4996,
8.0886

 143.0568,
201.0639, 186.3855

 2.1759, 6.4039,
4.0631

 177.8298,
245.1409, 229.6548

 0.7300, 3.0922,
1.6600

217.8250,

 0.0000, 1.1801,

295.2301, 279.1505

0.3331

263.4080,
351.7161, 335.2910

■ 0.0000, 0.0453,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7392, 57.4098,
48.7854

■ 34.7392, 57.4098,
48.7854

■ 34.7395, 57.4115,
48.7824

■ 35.6087, 57.7990,
51.5587

■ 36.9002, 58.4020,
54.4579

■ 38.7449, 59.2877,
57.4916

■ 41.2172, 60.4946,
60.6645

■ 44.3800, 62.0550,
63.9807

■ 48.2883, 63.9971,
67.4438

■ 52.9913, 66.3465,
71.0572

■ 58.5342, 69.1263,
74.8242

■ 64.9585, 72.3580,
78.7477

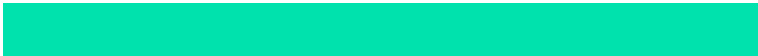
Harmonies

Analogous

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



39.0994, 57.4098, 27.0787



34.7392, 57.4098, 48.7854



35.0868, 57.4098, 84.5662

Triad

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



34.7392, 57.4098, 48.7854



61.8047, 57.4098, 151.1433



72.1023, 57.4098, 25.0354

Complementary

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



34.7392, 57.4098, 48.7854



32.0090, 16.4275, 4.8565

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.



80.1797, 57.4098, 44.6660



34.7392, 57.4098, 48.7854



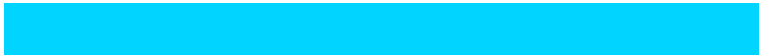
73.6533, 57.4098, 120.1514

Square

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



34.7392, 57.4098, 48.7854



49.5363, 57.4098, 153.5713



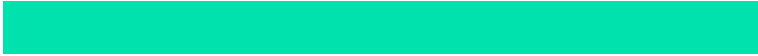
80.7862, 57.4098, 78.5926



59.9258, 57.4098, 17.2190

Rectangle

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



34.7392, 57.4098, 48.7854



37.9356, 57.4098, 112.5703



80.7862, 57.4098, 78.5926



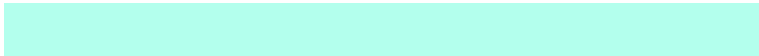
75.4610, 57.4098, 30.0499

Sweetspot

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



34.7408, 57.4120, 48.7867



69.5294, 87.1620, 93.3235



28.8581, 55.2507, 9.1445



14.2944, 18.3623, 19.5386



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.



34.7408, 57.4120, 48.7867



45.6317, 75.4687, 63.9035



28.0118, 34.0581, 77.0515



13.9719, 15.5145, 16.8871



19.8662, 32.7713, 28.0822



1.4107, 2.2850, 2.1240

Inverse Universe

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



32.0090, 16.4275, 4.8565



42.0506, 21.5843, 6.1987



32.8052, 19.0492, 1.9489



13.8383, 13.7530, 14.9188



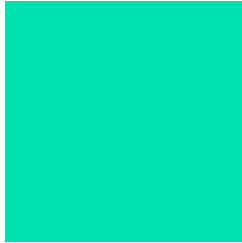
18.2982, 9.3863, 2.9699



1.3028, 0.6644, 0.3874

Previews

White Background



This preview shows how the XYZ color 34.7392, 57.4098, 48.7854 looks on a white background.

Color Contrast Check

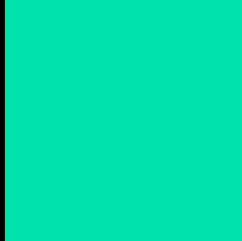
Large Text (above 18pt) WCAG AA × Fail

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 34.7392, 57.4098, 48.7854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

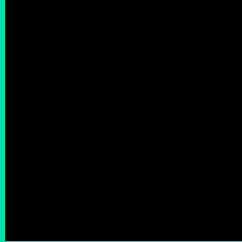
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

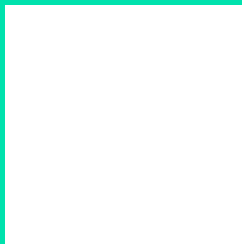
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7392, 57.4098, 48.7854

Background



This preview shows how black text looks on a background with the XYZ color 34.7392, 57.4098, 48.7854.

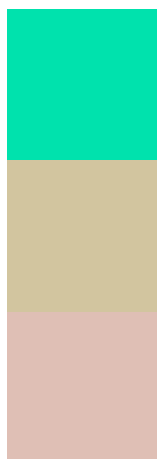


This preview shows how white text looks on a background with the XYZ color 34.7392, 57.4098,

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

34.7392, 57.4098, 48.7854

Protanopia

52.8026, 56.1373, 40.8535

Deuteranopia

57.4027, 56.2858, 51.5549



Tritanopia

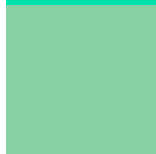
42.6653, 57.4806, 87.4434

Trichromacy



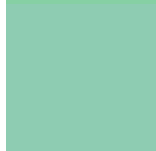
Original Color

34.7392, 57.4098, 48.7854



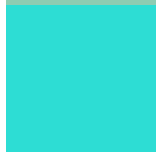
Protanomaly

39.0882, 52.8604, 43.2649



Deuteranomaly

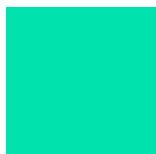
40.7841, 52.1509, 50.0361



Tritanomaly

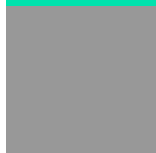
38.8223, 57.0243, 71.2480

Monochromacy



Original Color

34.7392, 57.4098, 48.7854



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.3950, 37.3197, 39.0172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7392, 57.4098, 48.7854 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(0, 226, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 173)  
}
```

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(0, 226, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 173) }
```

Border

The CSS property to change the border of an element to XYZ 34.7392, 57.4098, 48.7854 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(0, 226, 173) }
```


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

```
.border{ border-color:rgb(0, 226, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7392, 57.4098, 48.7854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 173) }
```

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

```
.background{ background-color: rgb(0, 226,  
173) }
```

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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