

Converting Colors

XYZ(37.8486, 63.6069, 49.3930)

Have a look what the booklet for
XYZ(37.8486, 63.6069, 49.3930)
contains.

XYZ(37.8307, 63.5986, 49.3116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8307, 63.5986,
49.3116)**

Conversions

Conversions Part 1

Format	Color
Hex	08EDAC
RGB	8, 237, 172
RGB Percent	3%, 93%, 67%
CMY	0.9685, 0.0706, 0.3255
CMYK	0.97, 0.00, 0.27, 0.07
HSL	163°, 93%, 48%
HSV	163°, 97%, 93%
XYZ	37.8307, 63.5986, 49.3116
YIQ	161.1190, -115.6190, -68.7630

Conversions

Conversions Part 2

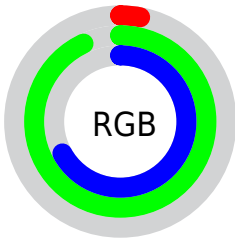
Format	Color
R_{YB}	8, 141, 237
Decimal	585132
CIE _{Lab}	83.76, -62.19, 18.40
CIE _{LCh}	84, 64.856, 163.514
Yxy	63.5986, 0.2510, 0.4219
Android (android.graphics.Color)	4278775212 (0xFF08EDAC)
YUV	161.1190, 5.3643, -134.2854
Hunter-Lab	79.7487, -54.8846, 19.1629

Details

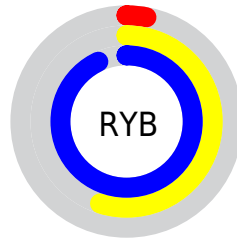
The XYZ color **37.8307, 63.5986, 49.3116** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.2170, 18.6609, 8.0014**, and the grayscale version is **33.9505, 35.7186, 38.8975**.

A 20% lighter version of the original color is **56.4457, 80.5662, 85.9746**, and **19.7114, 33.9986, 23.2928** is the 20% darker color. If you saturate the color by 10%, you get **37.5149, 63.4625, 48.1655**, and if you desaturate by 10%, it is **38.9820, 64.1172, 52.8262**.

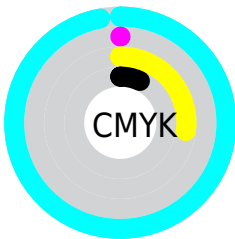
Distribution



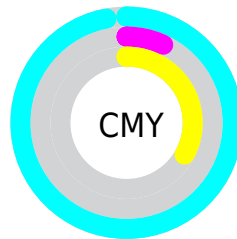
- Red (3%)
- Green (93%)
- Blue (67%)



- Red (3%)
- Yellow (55%)
- Blue (93%)



- Cyan (97%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)



- Cyan (97%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8307, 63.5986, 49.3116 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 37.8307, 63.5986, 49.3116 by changing the saturation by 10% instead.

37.8307, 63.5986,
49.3116

37.8307, 63.5986,
49.3116

328.1866,
437.7387, 400.6254

26.0279, 46.3256,
34.4994

71.1541, 110.0327,
90.5398

16.9773, 32.5029,
22.9970

93.4055, 139.9625,
117.7930

10.3135, 21.7459,
14.3860

119.8705,
174.8802, 150.0301

5.6712, 13.6703,
8.2478

150.9144,
215.1700, 187.6698

2.6849, 7.8917,
4.1639

186.9026,
261.2163, 231.1307

0.9894, 4.0257,
1.7157

228.2005,

0.0000, 1.6880,

313.4036, 280.8312

0.3714

275.1734,
372.1163, 337.1899

■ 0.0000, 0.4159,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8307, 63.5986,
49.3116

■ 37.8307, 63.5986,
49.3116

■ 37.5149, 63.4625,
48.1655

■ 38.9820, 64.1172,
52.8262

■ 40.6898, 64.9172,
56.5387

■ 43.0555, 66.0525,
60.4576

■ 46.1580, 67.5636,
64.5890

■ 50.0649, 69.4855,
68.9383

■ 54.8357, 71.8486,
73.5107

■ 60.5243, 74.6809,
78.3107

■ 67.1803, 78.0077,
83.3430

■ 74.8492, 81.8525,
88.6117

Harmonies

Analogous

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



43.5034, 63.5986, 26.5571



37.8307, 63.5986, 49.3116



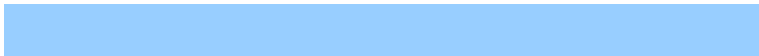
37.5627, 63.5986, 89.2146

Triad

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



37.8307, 63.5986, 49.3116



67.0684, 63.5986, 176.7554



82.5340, 63.5986, 28.1026

Complementary

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



37.8307, 63.5986, 49.3116



36.2170, 18.6609, 8.0014

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.



91.1353, 63.5986, 52.5078



37.8307, 63.5986, 49.3116



81.3056, 63.5986, 143.0100

Square

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



37.8307, 63.5986, 49.3116



53.0138, 63.5986, 174.7986



90.6534, 63.5986, 93.9422



68.5478, 63.5986, 18.0188

Rectangle

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



37.8307, 63.5986, 49.3116



40.3908, 63.5986, 122.1314



90.6534, 63.5986, 93.9422



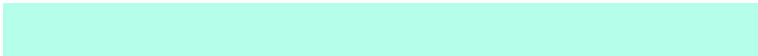
86.2423, 63.5986, 34.3755

Sweetspot

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



37.8324, 63.6011, 49.3131



69.6801, 87.2907, 91.0236



33.3673, 62.1544, 10.4689



14.2952, 18.3755, 18.9624



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.



37.8324, 63.6011, 49.3131



44.2668, 74.9227, 56.7161



34.0634, 43.5191, 86.7285



15.3247, 17.0447, 18.3929



20.5401, 34.6705, 26.6069



1.6538, 2.7388, 2.3048

Inverse Universe

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



36.2170, 18.6609, 8.0014



42.4224, 21.7330, 8.1566



36.2813, 20.6446, 2.3031



15.2413, 15.1244, 16.5558



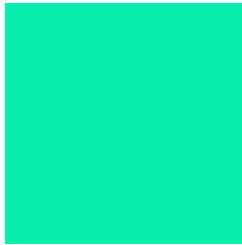
19.6741, 10.0723, 4.0852



1.5849, 0.8069, 0.5317

Previews

White Background



This preview shows how the XYZ color 37.8307, 63.5986, 49.3116 looks on a white background.

Color Contrast Check

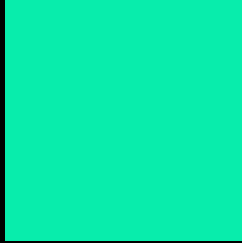
Large Text (above 18pt) WCAG AA × Fail

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 37.8307, 63.5986, 49.3116 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 37.8307, 63.5986, 49.3116

Background



This preview shows how black text looks on a background with the XYZ color 37.8307, 63.5986, 49.3116.

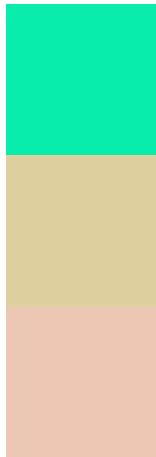


This preview shows how white text looks on a background with the XYZ color 37.8307, 63.5986,

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

37.8307, 63.5986, 49.3116

Protanopia

58.3032, 62.4664, 41.3321

Deuteranopia

63.2537, 61.9750, 51.8086



Tritanopia

47.2455, 63.2117, 96.8998

Trichromacy



Original Color

37.8307, 63.5986, 49.3116



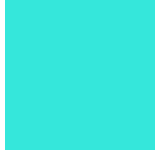
Protanomaly

43.1839, 58.7164, 43.7077



Deuteranomaly

44.8669, 57.5351, 50.3356



Tritanomaly

42.8303, 63.0232, 76.9251

Monochromacy



Original Color

37.8307, 63.5986, 49.3116



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.8148, 42.1151, 42.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8307, 63.5986, 49.3116 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(8, 237, 172)` looks like.

```
.text, #text, p{  
    color:rgb(8, 237, 172)  
}
```

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(8, 237, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 237, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.8307, 63.5986, 49.3116 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(8, 237, 172) }
```


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

```
.border{ border-color:rgb(8, 237, 172) }
```

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

Here you see how a box with a 4 pixel rgb(8, 237, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 237, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 237, 172);  
box-shadow:4px 4px 4px 4px rgb(8, 237,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8307, 63.5986, 49.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 237, 172) }
```

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

```
.background{ background-color: rgb(8, 237,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor