

Converting Colors

XYZ(34.6508, 57.7890, 47.0420)

Have a look what the booklet for
XYZ(34.6508, 57.7890, 47.0420)
contains.

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Color

**XYZ(34.6305, 57.8027,
46.8679)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3A9
RGB	0, 227, 169
RGB Percent	0%, 89%, 66%
CMY	0.9999, 0.1098, 0.3372
CMYK	1.00, 0.00, 0.26, 0.11
HSL	165°, 100%, 45%
HSV	165°, 100%, 89%
XYZ	34.6305, 57.8027, 46.8679
YIQ	152.5150, -116.6740, -66.1620

Conversions

Conversions Part 2

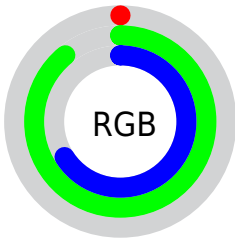
Format	Color
RYB	0, 130, 227
Decimal	58281
CIELab	80.63, -59.39, 15.59
CIELCh	81, 61.400, 165.288
Yxy	57.8027, 0.2486, 0.4149
Android (android.graphics.Color)	4278248361 (0xFF00E3A9)
YUV	152.5150, 8.1271, -133.7557
Hunter-Lab	76.0281, -51.7431, 16.6700

Details

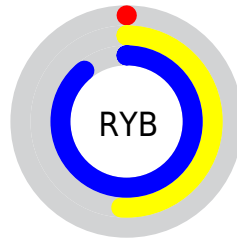
The XYZ color **34.6305, 57.8027, 46.8679** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.4446, 16.6380, 5.5088**, and the grayscale version is **30.0745, 31.6408, 34.4568**.

A 20% lighter version of the original color is **55.5212, 80.1530, 83.0658**, and **17.5856, 30.0338, 21.6999** is the 20% darker color. If you saturate the color by 10%, you get **34.6309, 57.8045, 46.8653**, and if you desaturate by 10%, it is **35.5358, 58.2065, 49.8181**.

Distribution



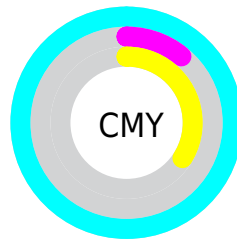
- Red (0%)
- Green (89%)
- Blue (66%)



- Red (0%)
- Yellow (51%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6305, 57.8027, 46.8679 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 34.6305, 57.8027, 46.8679 by changing the saturation by 10% instead.


 34.6305, 57.8027,
46.8679


 34.6305, 57.8027,
46.8679


314.4710,
416.4504, 390.6655


 23.5436, 41.6501,
32.5776


 66.2508, 101.6355,
86.8643


 15.1183, 28.8274,
21.5346


 87.5148, 130.0844,
113.4076


 8.9893, 18.9503,
13.3203


 112.9019,
163.4009, 144.8722

 4.7913, 11.6343,
7.5162

 142.7774,
201.9693, 181.6768

 2.1588, 6.4952,
3.7037

 177.5068,
246.1741, 224.2399

 0.7209, 3.1485,
1.4642

217.4552,

 0.0000, 1.2097,

296.3996, 272.9800

0.1911

262.9882,
353.0302, 328.3157

■ 0.0000, 0.0696,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6305, 57.8027,
46.8679

■ 34.6305, 57.8027,
46.8679

■ 34.6309, 57.8045,
46.8653

■ 35.5358, 58.2065,
49.8181

■ 36.8712, 58.8278,
52.9148

■ 38.7692, 59.7362,
56.1672

■ 41.3052, 60.9707,
59.5803

■ 44.5427, 62.5638,
63.1585

■ 48.5374, 64.5443,
66.9060

■ 53.3392, 66.9379,
70.8265

■ 58.9936, 69.7681,
74.9236

■ 65.5429, 73.0565,
79.2007

Harmonies

Analogous

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



39.4184, 57.8027, 25.5775



34.6305, 57.8027, 46.8679



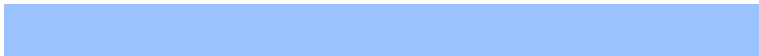
34.6770, 57.8027, 83.1262

Triad

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



34.6305, 57.8027, 46.8679



61.5986, 57.8027, 156.7512



73.8682, 57.8027, 25.3068

Complementary

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



34.6305, 57.8027, 46.8679



32.4446, 16.6380, 5.5088

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.



81.8682, 57.8027, 46.3144



34.6305, 57.8027, 46.8679



74.0790, 57.8027, 125.6848

Square

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



34.6305, 57.8027, 46.8679



48.9974, 57.8027, 157.0844



81.9507, 57.8027, 82.3147



61.3441, 57.8027, 16.7736

Rectangle

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



34.6305, 57.8027, 46.8679



37.3976, 57.8027, 112.3025



81.9507, 57.8027, 82.3147



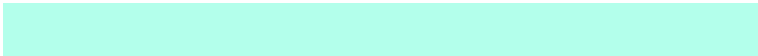
77.2549, 57.8027, 30.6894

Sweetspot

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



34.6321, 57.8050, 46.8693



69.2957, 87.0685, 92.0928



29.3676, 55.9183, 9.2464



14.2381, 18.3398, 19.2426



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.



34.6321, 57.8050, 46.8693



45.0363, 75.2305, 60.7686



29.0104, 35.8353, 78.0635



14.6419, 16.2702, 17.6448



20.2458, 33.7304, 27.5923



1.5331, 2.5074, 2.2341

Inverse Universe

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



32.4446, 16.6380, 5.5088



42.1989, 21.6436, 6.9795



32.9526, 18.8770, 1.9077



14.5274, 14.4281, 15.7115



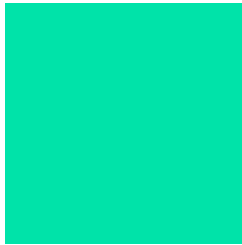
18.9606, 9.7185, 3.4217



1.4381, 0.7330, 0.4476

Previews

White Background



This preview shows how the XYZ color 34.6305, 57.8027, 46.8679 looks on a white background.

Color Contrast Check

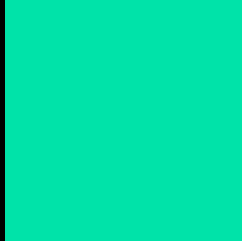
Large Text (above 18pt) WCAG AA × Fail

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 34.6305, 57.8027, 46.8679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

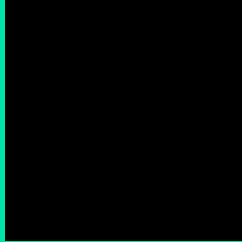
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

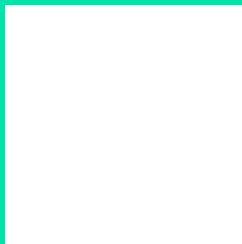
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6305, 57.8027, 46.8679

Background



This preview shows how black text looks on a background with the XYZ color 34.6305, 57.8027, 46.8679.

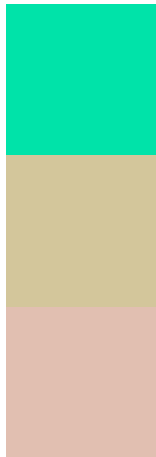


This preview shows how white text looks on a background with the XYZ color 34.6305, 57.8027,

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

34.6305, 57.8027, 46.8679

Protanopia

52.9744, 56.6036, 39.1439

Deuteranopia

57.6180, 56.4435, 49.4529



Tritanopia

42.9594, 57.6154, 88.2136

Trichromacy



Original Color

34.6305, 57.8027, 46.8679



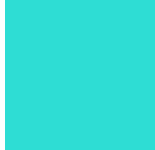
Protanomaly

38.9771, 53.2073, 41.4734



Deuteranomaly

40.5605, 52.0814, 47.9593



Tritanomaly

38.8668, 57.0472, 71.2501

Monochromacy



Original Color

34.6305, 57.8027, 46.8679



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

27.5090, 37.6871, 38.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6305, 57.8027, 46.8679 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, 227, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 169)  
}
```

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, 227, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 169) }
```

Border

The CSS property to change the border of an element to XYZ 34.6305, 57.8027, 46.8679 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, 227, 169) }
```


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

```
.border{ border-color:rgb(0, 227, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 227, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 227, 169); box-shadow:4px 4px 4px 4px rgb(0, 227, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6305, 57.8027, 46.8679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 169) }
```

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

```
.background{ background-color: rgb(0, 227,  
169) }
```

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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