

Converting Colors

XYZ(34.9635, 59.0384, 45.2396)

Have a look what the booklet for
XYZ(34.9635, 59.0384, 45.2396)
contains.

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Color

**XYZ(35.0883, 59.3102,
45.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6A5
RGB	0, 230, 165
RGB Percent	0%, 90%, 65%
CMY	0.9999, 0.0980, 0.3529
CMYK	1.00, 0.00, 0.28, 0.10
HSL	163°, 100%, 45%
HSV	163°, 100%, 90%
XYZ	35.0883, 59.3102, 45.1960
YIQ	153.8200, -116.2150, -68.9750

Conversions

Conversions Part 2

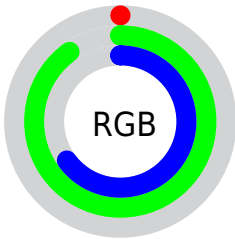
Format	Color
RYB	0, 134, 230
Decimal	59045
CIELab	81.46, -61.41, 18.85
CIELCh	81, 64.237, 162.939
Yxy	59.3102, 0.2514, 0.4249
Android (android.graphics.Color)	4278249125 (0xFF00E6A5)
YUV	153.8200, 5.5117, -134.9001
Hunter-Lab	77.0131, -53.4457, 19.1142

Details

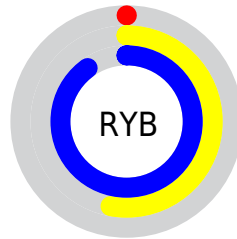
The XYZ color **35.0883, 59.3102, 45.1960** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.5895, 17.2061, 6.5559**, and the grayscale version is **30.6534, 32.2498, 35.1200**.

A 20% lighter version of the original color is **54.9849, 79.9385, 80.2418**, and **17.9242, 31.0794, 20.6770** is the 20% darker color. If you saturate the color by 10%, you get **35.0889, 59.3121, 45.1939**, and if you desaturate by 10%, it is **36.0505, 59.7376, 48.4104**.

Distribution



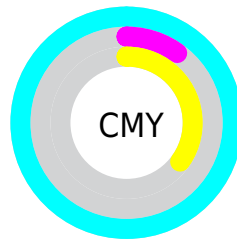
- Red (0%)
- Green (90%)
- Blue (65%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0883, 59.3102, 45.1960 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 35.0883, 59.3102, 45.1960 by changing the saturation by 10% instead.


 35.0883, 59.3102,
45.1960


 35.0883, 59.3102,
45.1960


316.4591,
422.0505, 383.7500


 23.8977, 42.8629,
31.2678


 66.9557, 103.8284,
84.3360


 15.3821, 29.7775,
20.5427


 88.3632, 132.6680,
110.3849


 9.1760, 19.6698,
12.6021


 113.9070,
166.4072, 141.3110

 4.9142, 12.1552,
7.0277

 143.9526,
205.4304, 177.5330

 2.2313, 6.8495,
3.4007

 178.8652,
250.1219, 219.4694

 0.7591, 3.3682,
1.3027

219.0103,

 0.0000, 1.3268,

300.8662, 267.5386

0.0640

264.7531,
358.0476, 322.1593

■ 0.0000, 0.1618,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0883, 59.3102,
45.1960

■ 35.0883, 59.3102,
45.1960

■ 35.0889, 59.3121,
45.1939

■ 36.0505, 59.7376,
48.4104

■ 37.4620, 60.3916,
51.8038

■ 39.4587, 61.3438,
55.3862

■ 42.1188, 62.6342,
59.1632

■ 45.5079, 64.2969,
63.1402

■ 49.6837, 66.3613,
67.3218

■ 54.6978, 68.8542,
71.7126

■ 60.5974, 71.7998,
76.3168

■ 67.4262, 75.2205,
81.1384

Harmonies

Analogous

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



40.5274, 59.3102, 24.1181



35.0883, 59.3102, 45.1960



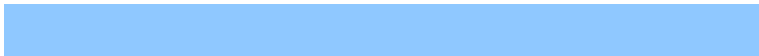
34.7386, 59.3102, 82.6224

Triad

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



35.0883, 59.3102, 45.1960



62.3636, 59.3102, 166.9921



77.5025, 59.3102, 26.1246

Complementary

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



35.0883, 59.3102, 45.1960



33.5895, 17.2061, 6.5559

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.



85.5187, 59.3102, 49.3741



35.0883, 59.3102, 45.1960



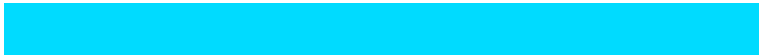
75.8878, 59.3102, 135.3864

Square

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



35.0883, 59.3102, 45.1960



49.1208, 59.3102, 164.4083



84.8847, 59.3102, 88.8354



64.3050, 59.3102, 16.4995

Rectangle

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



35.0883, 59.3102, 45.1960



37.3355, 59.3102, 113.8004



84.8847, 59.3102, 88.8354



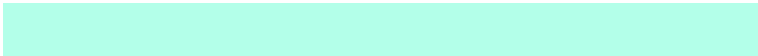
80.9799, 59.3102, 32.0988

Sweetspot

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



35.0899, 59.3125, 45.1974



68.9971, 86.9490, 90.5204



30.4903, 57.7259, 9.5360



14.1664, 18.3111, 18.8650



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.



35.0899, 59.3125, 45.1974



44.2996, 74.9358, 56.8887



30.6404, 38.4268, 80.6678



14.6246, 16.2633, 17.5539



19.9195, 33.5999, 25.8743



1.5113, 2.4986, 2.1189

Inverse Universe

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



33.5895, 17.2061, 6.5559



42.4121, 21.7288, 8.1022



33.7688, 19.0924, 1.9061



14.5436, 14.4346, 15.7971



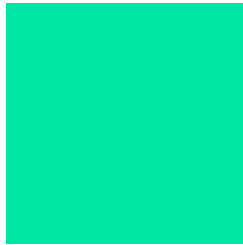
19.0606, 9.7584, 3.9479



1.4474, 0.7367, 0.4963

Previews

White Background



This preview shows how the XYZ color 35.0883, 59.3102, 45.1960 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 35.0883, 59.3102, 45.1960 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

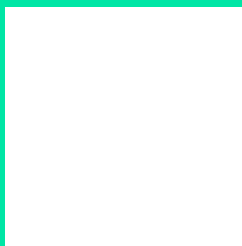
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0883, 59.3102, 45.1960

Background



This preview shows how black text looks on a background with the XYZ color 35.0883, 59.3102, 45.1960.

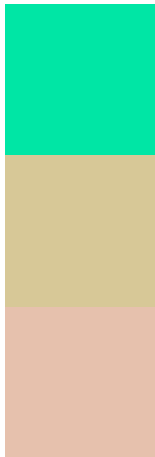


This preview shows how white text looks on a background with the XYZ color 35.0883, 59.3102,

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

35.0883, 59.3102, 45.1960

Protanopia

54.2645, 57.9900, 37.6113

Deuteranopia

59.2459, 57.9801, 47.6038



Tritanopia

44.2696, 59.4224, 90.0253

Trichromacy



Original Color

35.0883, 59.3102, 45.1960



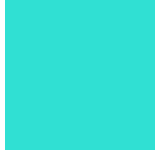
Protanomaly

39.6115, 54.3072, 39.8471



Deuteranomaly

41.1811, 53.1559, 46.1199



Tritanomaly

39.6325, 58.6428, 70.8584

Monochromacy



Original Color

35.0883, 59.3102, 45.1960



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.9365, 38.5212, 38.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0883, 59.3102, 45.1960 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, 230, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 165)  
}
```

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, 230, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 165) }
```

Border

The CSS property to change the border of an element to XYZ 35.0883, 59.3102, 45.1960 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, 230, 165) }
```


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

```
.border{ border-color:rgb(0, 230, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0883, 59.3102, 45.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 165) }
```

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

```
.background{ background-color: rgb(0, 230,  
165) }
```

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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