

# Converting Colors

XYZ(34.7602, 59.5385, 52.0034)

Have a look what the booklet for  
XYZ(34.7602, 59.5385, 52.0034)  
contains.

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# Color

**XYZ(36.6118, 60.3662,  
51.8417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E7B2
RGB	0, 231, 178
RGB Percent	0%, 91%, 70%
CMY	0.9999, 0.0941, 0.3020
CMYK	1.00, 0.00, 0.23, 0.09
HSL	166°, 100%, 45%
HSV	166°, 100%, 91%
XYZ	36.6118, 60.3662, 51.8417
YIQ	155.8890, -120.6630, -65.4550

# Conversions

## Conversions Part 2

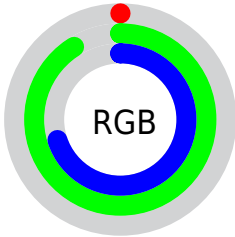
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 130, 231
Decimal	59314
CIELab	82.04, -58.77, 12.86
CIELCh	82, 60.161, 167.660
Yxy	60.3662, 0.2460, 0.4056
Android (android.graphics.Color)	4278249394 (0xFF00E7B2)
YUV	155.8890, 10.9007, -136.7147
Hunter-Lab	77.6957, -51.8546, 14.8263

# Details

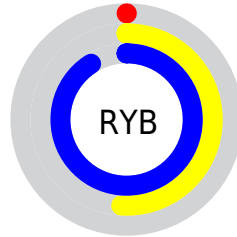
The XYZ color **36.6118, 60.3662, 51.8417** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.6000, 17.2476, 4.9306**, and the grayscale version is **31.5471, 33.1900, 36.1439**.

A 20% lighter version of the original color is **57.0417, 80.7755, 90.4267**, and **18.8377, 31.7528, 24.5381** is the 20% darker color. If you saturate the color by 10%, you get **36.6123, 60.3680, 51.8391**, and if you desaturate by 10%, it is **37.5122, 60.7692, 54.7178**.

# Distribution



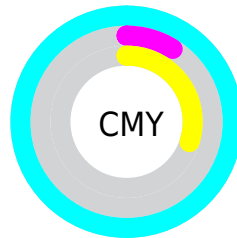
- Red (0%)
- Green (91%)
- Blue (70%)



- Red (0%)
- Yellow (51%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6118, 60.3662, 51.8417 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 36.6118, 60.3662, 51.8417 by changing the saturation by 10% instead.



36.6118, 60.3662,  
51.8417

36.6118, 60.3662,  
51.8417

323.0116,  
425.9463, 410.7647

25.0794, 43.7139,  
36.4975

69.2930, 105.3607,  
94.3219

16.2652, 30.4456,  
24.5260

91.1726, 134.4717,  
122.2951

9.8041, 20.1771,  
15.5084

117.2318,  
168.5043, 155.3150

5.3305, 12.5238,  
9.0264

147.8362,  
207.8430, 193.8002

2.4792, 7.1015,  
4.6614

183.3509,  
252.8721, 238.1692

0.8848, 3.5256,  
1.9947

224.1415,

0.0000, 1.4119,

303.9761, 288.8407

0.5520

270.5733,  
361.5394, 346.2330

■ 0.0000, 0.2255,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.6118, 60.3662,  
51.8417

■ 36.6118, 60.3662,  
51.8417

■ 36.6123, 60.3680,  
51.8391

■ 37.5122, 60.7692,  
54.7178

■ 38.8566, 61.3971,  
57.7219

■ 40.7819, 62.3221,  
60.8629

■ 43.3668, 63.5847,  
64.1456

■ 46.6777, 65.2191,  
67.5742

■ 50.7725, 67.2551,  
71.1527

■ 55.7033, 69.7195,  
74.8845

■ 61.5176, 72.6368,  
78.7728

■ 68.2593, 76.0297,  
82.8209

# Harmonies

## Analogous

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



41.1018, 60.3662, 28.8848



36.6118, 60.3662, 51.8417



37.0499, 60.3662, 89.4016

# Triad

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



36.6118, 60.3662, 51.8417



65.1363, 60.3662, 157.8484



75.5148, 60.3662, 26.3031

# Complementary

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



36.6118, 60.3662, 51.8417



33.6000, 17.2476, 4.9306

# 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.



84.0382, 60.3662, 46.6534



36.6118, 60.3662, 51.8417



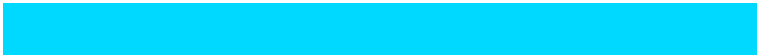
77.4631, 60.3662, 125.2357

# Square

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



36.6118, 60.3662, 51.8417



52.2969, 60.3662, 160.8914



84.7998, 60.3662, 81.8971



62.7744, 60.3662, 18.2431

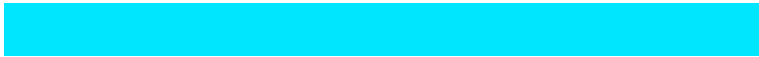


# Rectangle

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



36.6118, 60.3662, 51.8417



40.0806, 60.3662, 118.6091



84.7998, 60.3662, 81.8971



79.0449, 60.3662, 31.4973

# Sweetspot

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



36.6135, 60.3686, 51.8431



69.5863, 87.1847, 93.6230



30.0945, 57.9362, 9.5976



14.3081, 18.3678, 19.6107



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.



36.6135, 60.3686, 51.8431



45.7790, 75.5276, 64.6795



28.6894, 34.2993, 80.7124



14.6585, 16.2768, 17.7325



20.5742, 33.8618, 29.3217



1.5550, 2.5161, 2.3490



# Inverse Universe

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



33.6000, 17.2476, 4.9306



42.0169, 21.5708, 6.0212



34.6587, 20.3942, 2.1107



14.5118, 14.4219, 15.6295



18.8746, 9.6841, 2.9687



1.4298, 0.7296, 0.4039



# Previews

## White Background



This preview shows how the XYZ color 36.6118, 60.3662, 51.8417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

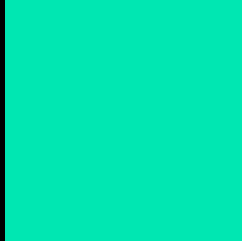
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6118, 60.3662, 51.8417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

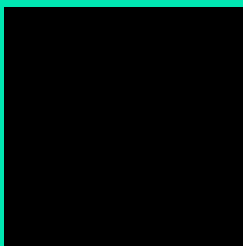
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

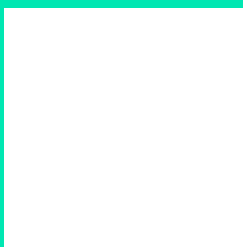
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.6118, 60.3662, 51.8417**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6118, 60.3662, 51.8417.



This preview shows how white text looks on a background with the XYZ color 36.6118, 60.3662,



# 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

36.6118, 60.3662, 51.8417

### Protanopia

55.5529, 59.2175, 43.6241

### Deuteranopia

60.3729, 59.0694, 54.6739



## Tritanopia

44.9373, 60.5039, 92.5291

# Trichromacy



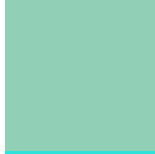
## Original Color

36.6118, 60.3662, 51.8417



## Protanomaly

41.1090, 55.6873, 46.1182



## Deuteranomaly

42.7802, 54.5504, 53.0743



## Tritanomaly

40.9780, 60.0355, 75.7579

# Monochromacy



## Original Color

36.6118, 60.3662, 51.8417



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

28.7799, 39.2000, 41.1714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6118, 60.3662, 51.8417 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, 231, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 178)  
}
```

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, 231, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6118, 60.3662, 51.8417 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, 231, 178) }
```



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

```
.border{ border-color:rgb(0, 231, 178) }
```

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

Here you see how a box with a 4 pixel rgb(0, 231, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6118, 60.3662, 51.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 178) }
```

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

```
.background{ background-color: rgb(0, 231,  
178) }
```

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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