

# Converting Colors

XYZ(36.5939, 59.2483, 48.8537)

Have a look what the booklet for  
XYZ(36.5939, 59.2483, 48.8537)  
contains.

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# Color

**XYZ(36.6016, 59.1820,  
49.0293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32E4AD
RGB	50, 228, 173
RGB Percent	20%, 89%, 68%
CMY	0.8039, 0.1059, 0.3216
CMYK	0.78, 0.00, 0.24, 0.11
HSL	161°, 77%, 55%
HSV	161°, 78%, 89%
XYZ	36.6016, 59.1820, 49.0293
YIQ	168.5080, -88.4330, -54.8410

# Conversions

## Conversions Part 2

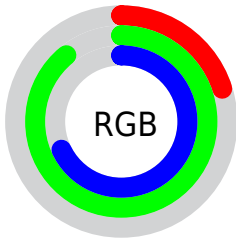
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 155, 228
Decimal	3335341
CIELab	81.39, -56.02, 14.62
CIELCh	81, 57.900, 165.373
Yxy	59.1820, 0.2528, 0.4087
Android (android.graphics.Color)	4281525421 (0xFF32E4AD)
YUV	168.5080, 2.2146, -103.9315
Hunter-Lab	76.9298, -49.7007, 16.0639

# Details

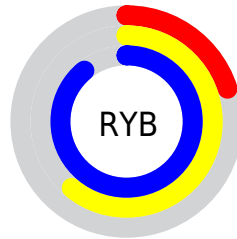
The XYZ color **36.6016, 59.1820, 49.0293** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **35.6873, 19.7966, 15.3074**, and the grayscale version is **37.4918, 39.4443, 42.9548**.

A 20% lighter version of the original color is **58.2150, 81.4622, 86.7843**, and **18.0141, 30.5063, 23.0280** is the 20% darker color. If you saturate the color by 10%, you get **35.0809, 58.4762, 45.4936**, and if you desaturate by 10%, it is **38.7206, 60.1950, 52.7833**.

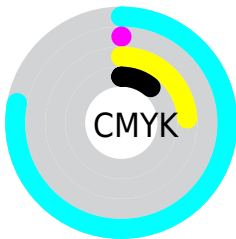
# Distribution



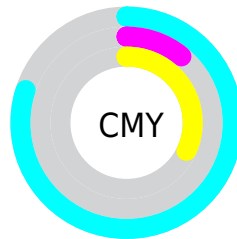
- Red (20%)
- Green (89%)
- Blue (68%)



- Red (20%)
- Yellow (61%)
- Blue (89%)



- Cyan (78%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)




- Cyan (80%)
- Magenta (11%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6016, 59.1820, 49.0293 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 36.6016, 59.1820, 49.0293 by changing the saturation by 10% instead.





 36.6016, 59.1820,  
49.0293

 36.6016, 59.1820,  
49.0293


322.9680,  
421.5760, 399.4834


 25.0714, 42.7596,  
34.2770


 69.2774, 103.6421,  
90.1164


 16.2593, 29.6966,  
22.8274


 91.1538, 132.4487,  
117.2883


 9.7998, 19.6084,  
14.2620


 117.2096,  
166.1521, 149.4370

 5.3277, 12.1107,  
8.1623

 147.8103,  
205.1368, 186.9812

 2.4775, 6.8191,  
4.1097

 183.3211,  
249.7872, 230.3394

 0.8839, 3.3492,  
1.6857

224.1074,

 0.0000, 1.3167,

300.4876, 279.9302

0.3509

270.5346,  
357.6224, 336.1720

■ 0.0000, 0.1541,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.6016, 59.1820,  
49.0293

■ 36.6016, 59.1820,  
49.0293

■ 35.0809, 58.4762,  
45.4936

■ 38.7206, 60.1950,  
52.7833


■ 34.0499, 58.0174,  
42.1643


■ 41.5068, 61.5463,  
56.7578


■ 33.8772, 57.9419,  
41.5431

■ 45.0245, 63.2703,  
60.9598


■ 49.3288, 65.3956,  
65.3944

 54.4697, 67.9477,  
70.0668

 60.4926, 70.9501,  
74.9816

 67.4398, 74.4245,  
80.1433

 75.3506, 78.3911,  
85.5562

 84.1845, 82.8289,  
91.2209

# Harmonies

## Analogous

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



41.2586, 59.1820, 28.0391



36.6016, 59.1820, 49.0293



36.6605, 59.1820, 83.7751

# Triad

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



36.6016, 59.1820, 49.0293



62.6494, 59.1820, 152.4508



74.2368, 59.1820, 27.6882

# Complementary

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



36.6016, 59.1820, 49.0293



35.6873, 19.7966, 15.3074

# 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.



81.8102, 59.1820, 48.3339



36.6016, 59.1820, 49.0293



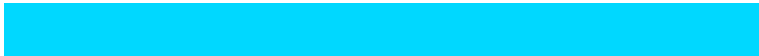
74.4949, 59.1820, 123.5248

# Square

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



36.6016, 59.1820, 49.0293



50.5754, 59.1820, 152.8499



81.9109, 59.1820, 82.7804



62.3354, 59.1820, 19.0668

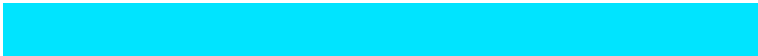


# Rectangle

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



36.6016, 59.1820, 49.0293



39.3264, 59.1820, 111.2430



81.9109, 59.1820, 82.7804



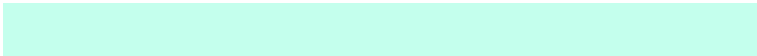
77.4439, 59.1820, 33.0408

# Sweetspot

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



36.6032, 59.1843, 49.0307



73.8842, 89.4100, 93.3902



34.3086, 58.8063, 12.5610



15.2275, 18.8451, 19.5011



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.



36.6032, 59.1843, 49.0307



44.2954, 74.9575, 55.8127



34.9183, 45.4767, 80.3389



14.6079, 16.2566, 17.4658



19.6167, 33.4788, 24.2796



1.4908, 2.4904, 2.0110



# Inverse Universe

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



35.6873, 19.7966, 15.3074



43.2338, 22.3377, 11.5655



35.6378, 22.8566, 5.5520



14.5595, 14.4410, 15.8806



19.1684, 9.8016, 4.5159

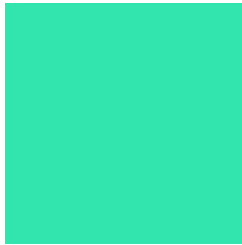


1.4570, 0.7405, 0.5470



# Previews

## White Background



This preview shows how the XYZ color 36.6016, 59.1820, 49.0293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

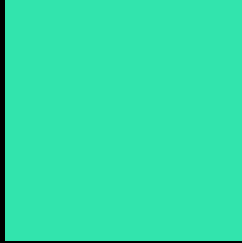
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6016, 59.1820, 49.0293 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

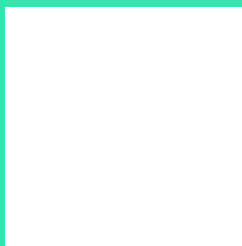
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.6016, 59.1820, 49.0293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6016, 59.1820, 49.0293.



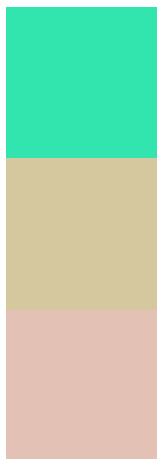
This preview shows how white text looks on a background with the XYZ color 36.6016, 59.1820,



# 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

36.6016, 59.1820, 49.0293

### Protanopia

54.3529, 57.9579, 41.1232

### Deuteranopia

59.0890, 57.8070, 51.7596



## Tritanopia

44.3639, 58.7088, 89.1145

# Trichromacy



## Original Color

36.6016, 59.1820, 49.0293



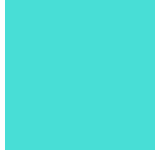
## Protanomaly

43.0739, 55.6435, 43.5920



## Deuteranomaly

45.2114, 55.1435, 50.3803



## Tritanomaly

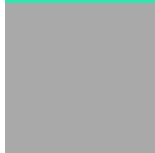
40.9314, 58.4753, 72.7479

# Monochromacy



## Original Color

36.6016, 59.1820, 49.0293



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

34.2733, 44.1648, 44.7485

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6016, 59.1820, 49.0293 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(50, 228, 173)` looks like.

```
.text, #text, p{  
    color:rgb(50, 228, 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(50, 228, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 228, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6016, 59.1820, 49.0293 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(50, 228, 173) }
```



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

```
.border{ border-color:rgb(50, 228, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 228, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 228, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 228, 173);  
box-shadow:4px 4px 4px 4px rgb(50, 228,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6016, 59.1820, 49.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 228, 173) }
```

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

```
.background{ background-color: rgb(50, 228,  
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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