

# Converting Colors

XYZ(35.6190, 58.4541, 39.6552)

Have a look what the booklet for  
XYZ(35.6190, 58.4541, 39.6552)  
contains.

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# Color

**XYZ(35.6028, 58.4670,  
39.5458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44E399
RGB	68, 227, 153
RGB Percent	27%, 89%, 60%
CMY	0.7333, 0.1098, 0.4000
CMYK	0.70, 0.00, 0.33, 0.11
HSL	152°, 74%, 58%
HSV	152°, 70%, 89%
XYZ	35.6028, 58.4670, 39.5458
YIQ	171.0230, -71.0100, -56.7220

# Conversions

## Conversions Part 2

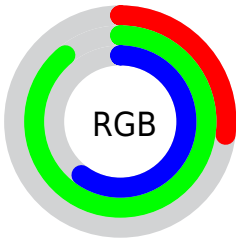
Format	Color
<a href="#">RYB</a>	<a href="#">68, 172, 227</a>
Decimal	<a href="#">4514713</a>
CIELab	<a href="#">81.00, -57.67, 24.54</a>
CIELCh	<a href="#">81, 62.671, 156.946</a>
Yxy	<a href="#">58.4670, 0.2665, 0.4376</a>
Android (android.graphics.Color)	<a href="#">4282704793 (0xFF44E399)</a>
YUV	<a href="#">171.0230, -8.8853, -90.3512</a>
Hunter-Lab	<a href="#">76.4637, -50.6989, 22.8608</a>

# Details

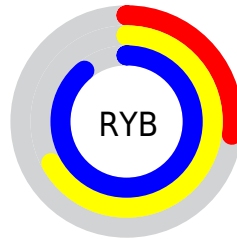
The XYZ color **35.6028, 58.4670, 39.5458** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **38.6302, 22.4196, 27.8852**, and the grayscale version is **38.7906, 40.8107, 44.4429**.

A 20% lighter version of the original color is **57.1368, 81.2250, 72.3411**, and **16.7237, 29.6890, 17.1610** is the 20% darker color. If you saturate the color by 10%, you get **33.4811, 57.4712, 35.0920**, and if you desaturate by 10%, it is **38.4174, 59.8142, 44.4380**.

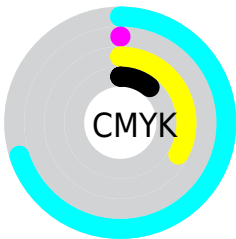
# Distribution



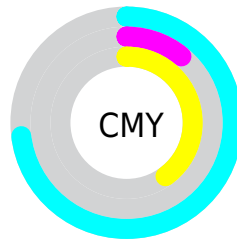
- Red (27%)
- Green (89%)
- Blue (60%)



- Red (27%)
- Yellow (67%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)




- Cyan (73%)
- Magenta (11%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6028, 58.4670, 39.5458 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 35.6028, 58.4670, 39.5458 by changing the saturation by 10% instead.





 35.6028, 58.4670,  
39.5458


 35.6028, 58.4670,  
39.5458


318.6827,  
418.9238, 359.7005


 24.2963, 42.1842,  
26.8735


 67.7464, 102.6026,  
75.7009


 15.6795, 29.2456,  
17.2466


 89.3143, 131.2242,  
100.0207

 9.3870, 19.2667,  
10.2467


 115.0332,  
164.7275, 129.0602

 5.0536, 11.8631,  
5.4551

 145.2687,  
203.4970, 163.2378

 2.3138, 6.6505,  
2.4533

180.3860,  
247.9169, 202.9721

 0.8017, 3.2445,  
0.8153

220.7506,

 0.0000, 1.2607,

298.3718, 248.6816

0.0000

266.7277,  
355.2460, 300.7849

■ 0.0000, 0.1105,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.6028, 58.4670,  
39.5458

■ 35.6028, 58.4670,  
39.5458

■ 33.4811, 57.4712,  
35.0920

■ 38.4174, 59.8142,  
44.4380

■ 31.9706, 56.7802,  
31.0585


■ 41.9855, 61.5391,  
49.7777


■ 30.9429, 56.3293,  
27.4441


■ 46.3658, 63.6734,  
55.5785


■ 51.6100, 66.2435,  
61.8521

 57.7651, 69.2733,  
68.6099

 64.8745, 72.7852,  
75.8627

 72.9791, 76.7999,  
83.6209

 82.1170, 81.3370,  
91.8946

 85.6673, 82.9831,  
100.3821

# Harmonies

## Analogous

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



41.8634, 58.4670, 21.8829



35.6028, 58.4670, 39.5458



34.2728, 58.4670, 72.7136

# Triad

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



35.6028, 58.4670, 39.5458



58.6483, 58.4670, 164.4088



78.0312, 58.4670, 29.6053

# Complementary

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



35.6028, 58.4670, 39.5458



38.6302, 22.4196, 27.8852

# 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.



84.2517, 58.4670, 55.3921



35.6028, 58.4670, 39.5458



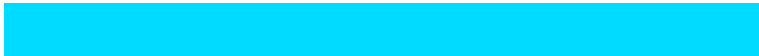
71.9854, 58.4670, 139.6996

# Square

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



35.6028, 58.4670, 39.5458



46.3483, 58.4670, 154.8305



81.8824, 58.4670, 96.0012



65.9429, 58.4670, 17.9047



# Rectangle

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



35.6028, 58.4670, 39.5458



36.1385, 58.4670, 101.9108



81.8824, 58.4670, 96.0012



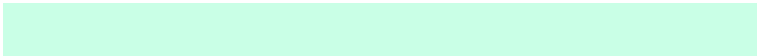
80.9572, 58.4670, 36.4249

# Sweetspot

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



35.6043, 58.4693, 39.5471



74.2622, 89.7174, 88.3225



39.7041, 61.1265, 15.1757



15.4004, 18.9594, 18.3718



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.



35.6043, 58.4693, 39.5471



42.6087, 74.3642, 43.2535



42.2926, 58.8607, 81.8080



14.5098, 16.2173, 16.9493



18.1049, 32.8741, 16.3184



1.3847, 2.4480, 1.4525



# Inverse Universe

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



38.6302, 22.4196, 27.8852



46.7961, 24.7401, 27.3110



35.1259, 21.5542, 7.7787



14.6547, 14.4791, 16.3821



20.0394, 10.1500, 9.1023

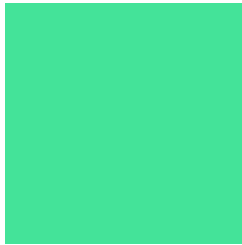


1.5274, 0.7687, 0.9177



# Previews

## White Background



This preview shows how the XYZ color 35.6028, 58.4670, 39.5458 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 35.6028, 58.4670, 39.5458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

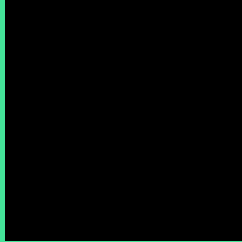
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.6028, 58.4670, 39.5458**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6028, 58.4670, 39.5458.



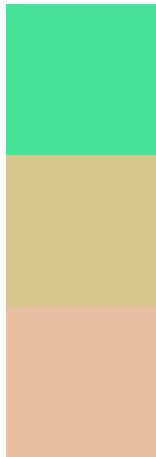
This preview shows how white text looks on a background with the XYZ color 35.6028, 58.4670,



# 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

35.6028, 58.4670, 39.5458

### Protanopia

53.2555, 57.2170, 33.4364

### Deuteranopia

58.5614, 57.4283, 41.7165



## Tritanopia

44.9197, 58.2755, 86.7227

# Trichromacy



## Original Color

35.6028, 58.4670, 39.5458



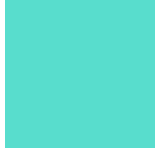
## Protanomaly

42.8116, 55.3266, 35.2108



## Deuteranomaly

45.0161, 54.9019, 40.5723



## Tritanomaly

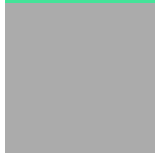
40.9004, 58.1954, 66.8348

# Monochromacy



## Original Color

35.6028, 58.4670, 39.5458



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

35.1632, 45.0103, 41.9565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6028, 58.4670, 39.5458 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(68, 227, 153)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 153)  
}
```

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(68, 227, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6028, 58.4670, 39.5458 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(68, 227, 153) }
```



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

```
.border{ border-color:rgb(68, 227, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 153);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6028, 58.4670, 39.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 153) }
```

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

```
.background{ background-color: rgb(68, 227,  
153) }
```

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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