

# Converting Colors

XYZ(34.9620, 56.2239, 39.1251)

Have a look what the booklet for  
XYZ(34.9620, 56.2239, 39.1251)  
contains.

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# Color

**XYZ(34.9316, 56.1202,  
39.1282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DDE99
RGB	77, 222, 153
RGB Percent	30%, 87%, 60%
CMY	0.6980, 0.1294, 0.4000
CMYK	0.65, 0.00, 0.31, 0.13
HSL	151°, 69%, 59%
HSV	151°, 65%, 87%
XYZ	34.9316, 56.1202, 39.1282
YIQ	170.7790, -64.2710, -52.1990

# Conversions

## Conversions Part 2

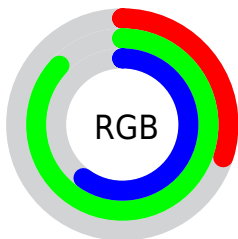
Format	Color
<a href="#">RYB</a>	<a href="#">77, 172, 222</a>
Decimal	<a href="#">5103257</a>
CIELab	<a href="#">79.68, -54.27, 22.78</a>
CIELCh	<a href="#">80, 58.860, 157.233</a>
Yxy	<a href="#">56.1202, 0.2683, 0.4311</a>
Android (android.graphics.Color)	<a href="#">4283293337 (0xFF4DDE99)</a>
YUV	<a href="#">170.7790, -8.7650, -82.2442</a>
Hunter-Lab	<a href="#">74.9134, -47.8652, 21.4715</a>

# Details

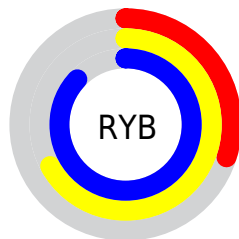
The XYZ color **34.9316, 56.1202, 39.1282** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **37.9682, 22.9139, 29.6179**, and the grayscale version is **38.6648, 40.6784, 44.2987**.

A 20% lighter version of the original color is **57.9604, 81.6495, 72.3796**, and **16.0345, 28.2317, 17.1745** is the 20% darker color. If you saturate the color by 10%, you get **32.6025, 55.0174, 34.6649**, and if you desaturate by 10%, it is **37.9519, 57.5734, 44.0297**.

# Distribution



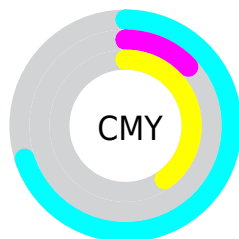
- Red (30%)
- Green (87%)
- Blue (60%)



- Red (30%)
- Yellow (67%)
- Blue (87%)



- Cyan (65%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)




- Cyan (70%)
- Magenta (13%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9316, 56.1202, 39.1282 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 34.9316, 56.1202, 39.1282 by changing the saturation by 10% instead.




 34.9316, 56.1202,  
39.1282


 34.9316, 56.1202,  
39.1282


315.7796,  
410.1443, 357.8775


 23.7765, 40.2993,  
26.5509


 66.7145, 99.1803,  
75.0566


 15.2917, 27.7720,  
17.0068


 88.0730, 127.1883,  
99.2448

 9.1120, 18.1538,  
10.0773


 113.5633,  
160.0274, 128.1403

 4.8720, 11.0605,  
5.3440

 143.5508,  
198.0821, 162.1618

 2.2063, 6.1075,  
2.3882

178.4008,  
241.7368, 201.7277

 0.7461, 2.9106,  
0.7800

218.4787,

 0.0000, 1.0852,

291.3758, 247.2566

0.0000

264.1499,  
347.3835, 299.1670

■ 0.0000, 0.0000,  
0.0000

■ 34.9316, 56.1202,  
39.1282

■ 34.9316, 56.1202,  
39.1282

■ 32.6025, 55.0174,  
34.6649

■ 37.9519, 57.5734,  
44.0297

■ 30.8930, 54.2238,  
30.6223

■ 41.7170, 59.3999,  
49.3781

■ 29.7227, 53.6997,  
26.9871

■ 46.2798, 61.6283,  
55.1870

■ 29.2955, 53.5139,  
25.4177

■ 51.6871, 64.2824,  
61.4678

■ 57.9820, 67.3843,  
68.2316

65.2043, 70.9545,  
75.4890

73.3918, 75.0119,  
83.2503

82.5796, 79.5748,  
91.5256

84.3184, 80.2870,  
99.9274

# Harmonies

## Analogous

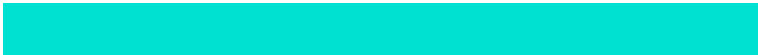
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.6811, 56.1202, 22.4225



34.9316, 56.1202, 39.1282



33.7406, 56.1202, 69.7161

# Triad

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



34.9316, 56.1202, 39.1282



56.2680, 56.1202, 151.6680



73.6682, 56.1202, 29.4592

# Complementary

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



34.9316, 56.1202, 39.1282



37.9682, 22.9139, 29.6179

# 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.



79.3560, 56.1202, 53.2346



34.9316, 56.1202, 39.1282



68.3866, 56.1202, 129.3747

# Square

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



34.9316, 56.1202, 39.1282



44.9818, 56.1202, 143.4339



77.2921, 56.1202, 90.0721



62.6756, 56.1202, 18.4608



# Rectangle

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



34.9316, 56.1202, 39.1282



35.5019, 56.1202, 96.1892



77.2921, 56.1202, 90.0721



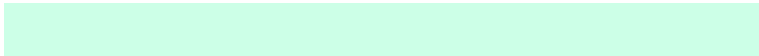
76.3329, 56.1202, 35.7954

# Sweetspot

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



34.9331, 56.1225, 39.1295



75.0476, 90.1117, 88.8398



39.5102, 58.9915, 16.3259



15.5504, 19.0350, 18.4591



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.



34.9331, 56.1225, 39.1295



43.7722, 74.9139, 45.5708



41.7311, 57.8220, 78.0712



13.8274, 15.4567, 16.1262



17.4569, 31.8076, 15.3952



1.2552, 2.2228, 1.3050



# Inverse Universe

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



37.9682, 22.9139, 29.6179



48.2247, 26.3243, 31.7116



34.2914, 21.7188, 9.4066



13.9775, 13.8086, 15.6515



19.4829, 9.8601, 9.2084

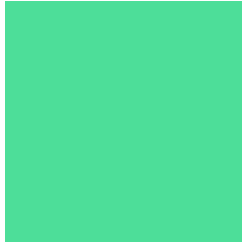


1.3955, 0.7015, 0.8754



# Previews

## White Background



This preview shows how the XYZ color 34.9316, 56.1202, 39.1282 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 34.9316, 56.1202, 39.1282 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

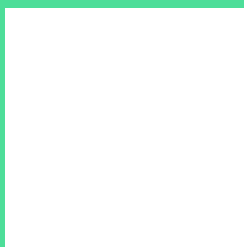
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9316, 56.1202, 39.1282**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9316, 56.1202, 39.1282.



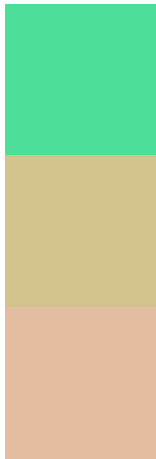
This preview shows how white text looks on a background with the XYZ color 34.9316, 56.1202,



# 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

34.9316, 56.1202, 39.1282

### Protanopia

51.4116, 55.2518, 33.1543

### Deuteranopia

56.0948, 54.8705, 41.3528



## Tritanopia

43.5353, 55.7432, 83.3279

# Trichromacy



## Original Color

34.9316, 56.1202, 39.1282



## Protanomaly

41.8424, 53.3884, 34.8877



## Deuteranomaly

43.8391, 52.5478, 40.1799



## Tritanomaly

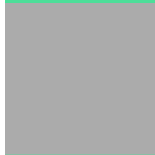
39.8326, 55.7557, 64.5396

# Monochromacy



## Original Color

34.9316, 56.1202, 39.1282



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

35.4308, 44.8256, 41.9068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9316, 56.1202, 39.1282 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(77, 222, 153)` looks like.

```
.text, #text, p{  
    color:rgb(77, 222, 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(77, 222, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 222, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9316, 56.1202, 39.1282 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(77, 222, 153) }
```



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

```
.border{ border-color:rgb(77, 222, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 222, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 222, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 222, 153);  
box-shadow:4px 4px 4px 4px rgb(77, 222,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9316, 56.1202, 39.1282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 222, 153) }
```

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

```
.background{ background-color: rgb(77, 222,  
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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