

Converting Colors

XYZ(35.6938, 56.4939, 40.0335)

Have a look what the booklet for
XYZ(35.6938, 56.4939, 40.0335)
contains.

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Color

**XYZ(35.6938, 56.4939,
40.0335)**

Conversions

Conversions Part 1

Format	Color
Hex	54DE9B
RGB	84, 222, 155
RGB Percent	33%, 87%, 61%
CMY	0.6706, 0.1294, 0.3921
CMYK	0.62, 0.00, 0.30, 0.13
HSL	151°, 68%, 60%
HSV	151°, 62%, 87%
XYZ	35.6938, 56.4939, 40.0335
YIQ	173.1000, -60.7410, -50.0930

Conversions

Conversions Part 2

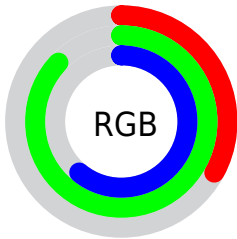
Format	Color
RYB	84, 175, 222
Decimal	5562011
CIELab	79.89, -52.60, 22.05
CIELCh	80, 57.038, 157.253
Yxy	56.4939, 0.2700, 0.4273
Android (android.graphics.Color)	4283752091 (0xFF54DE9B)
YUV	173.1000, -8.9233, -78.1407
Hunter-Lab	75.1624, -46.7666, 21.0343

Details

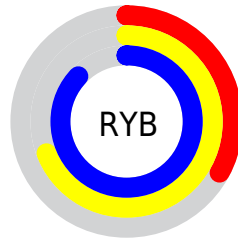
The XYZ color **35.6938, 56.4939, 40.0335** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **38.8822, 24.1058, 31.8837**, and the grayscale version is **39.8390, 41.9138, 45.6441**.

A 20% lighter version of the original color is **59.2469, 82.2841, 73.7326**, and **16.0844, 28.2517, 17.4374** is the 20% darker color. If you saturate the color by 10%, you get **33.1477, 55.2828, 35.3988**, and if you desaturate by 10%, it is **38.9532, 58.0664, 45.1259**.

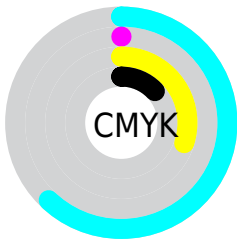
Distribution



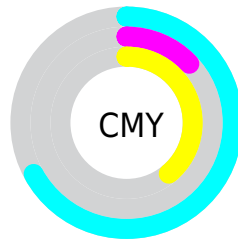
- Red (33%)
- Green (87%)
- Blue (61%)



- Red (33%)
- Yellow (69%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)





- Cyan (67%)
- Magenta (13%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6938, 56.4939, 40.0335 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 35.6938, 56.4939, 40.0335 by changing the saturation by 10% instead.


 35.6938, 56.4939,
40.0335


 35.6938, 56.4939,
40.0335


319.0748,
411.5502, 361.8210


 24.3668, 40.5991,
27.2507


 67.8862, 99.7263,
76.4522


 15.7322, 28.0059,
17.5275


 89.4822, 127.8327,
100.9251

 9.4245, 18.3301,
10.4454


 115.2321,
160.7784, 130.1318

 5.0784, 11.1873,
5.5858

 145.5010,
198.9478, 164.4908

 2.3286, 6.1929,
2.5302

180.6544,
242.7253, 204.4207

 0.8092, 2.9627,
0.8561

221.0576,

 0.0000, 1.1123,

292.4952, 250.3401

0.0000

267.0760,
348.6421, 302.6673

■ 0.0000, 0.0000,
0.0000

■ 35.6938, 56.4939,
40.0335

■ 35.6938, 56.4939,
40.0335

■ 33.1477, 55.2828,
35.3988

■ 38.9532, 58.0664,
45.1259

■ 31.2464, 54.3936,
31.2039

■ 42.9772, 60.0219,
50.6854

■ 29.9150, 53.7892,
27.4352

■ 47.8173, 62.3884,
56.7256

■ 29.1719, 53.4645,
24.7667

■ 53.5192, 65.1892,
63.2587

■ 60.1249, 68.4456,
70.2961

67.6738, 72.1778,
77.8490

76.2026, 76.4046,
85.9279

83.2741, 79.8693,
94.4277

84.9346, 80.5335,
103.1718

Harmonies

Analogous

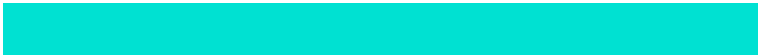
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3325, 56.4939, 23.4797



35.6938, 56.4939, 40.0335



34.5253, 56.4939, 69.9043

Triad

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



35.6938, 56.4939, 40.0335



56.5512, 56.4939, 148.7439



73.4043, 56.4939, 30.4628

Complementary

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



35.6938, 56.4939, 40.0335



38.8822, 24.1058, 31.8837

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.



78.9035, 56.4939, 53.8202



35.6938, 56.4939, 40.0335



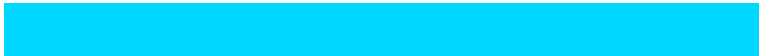
68.3070, 56.4939, 127.3750

Square

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



35.6938, 56.4939, 40.0335



45.5509, 56.4939, 140.8832



76.9155, 56.4939, 89.5585



62.7579, 56.4939, 19.4994

Rectangle

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



35.6938, 56.4939, 40.0335



36.2592, 56.4939, 95.5120



76.9155, 56.4939, 89.5585



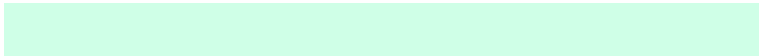
75.9809, 56.4939, 36.7230

Sweetspot

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



35.6953, 56.4962, 40.0348



75.8578, 90.5172, 89.4282



40.8602, 59.6574, 17.7496



15.7054, 19.1128, 18.5617



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.



35.6953, 56.4962, 40.0348



44.3926, 75.2154, 46.4283



42.9640, 59.4037, 78.3116



13.8217, 15.4544, 16.0963



17.3834, 31.7782, 15.0077



1.2501, 2.2208, 1.2783

Inverse Universe

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



38.8822, 24.1058, 31.8837



49.1115, 27.3195, 34.4065



34.8963, 22.5114, 10.8940



13.9831, 13.8109, 15.6813



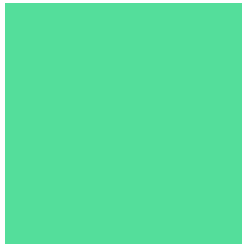
19.5499, 9.8870, 9.5614



1.4002, 0.7034, 0.9003

Previews

White Background



This preview shows how the XYZ color 35.6938, 56.4939, 40.0335 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 35.6938, 56.4939, 40.0335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

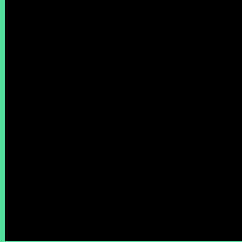
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

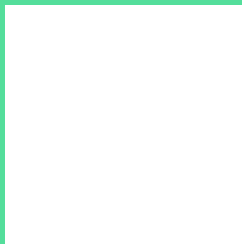
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6938, 56.4939, 40.0335

Background



This preview shows how black text looks on a background with the XYZ color 35.6938, 56.4939, 40.0335.

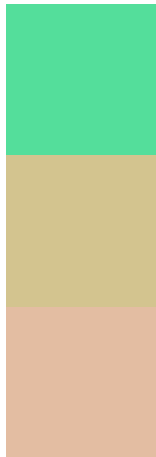


This preview shows how white text looks on a background with the XYZ color 35.6938, 56.4939,

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

35.6938, 56.4939, 40.0335

Protanopia

51.5618, 55.3119, 33.9453

Deuteranopia

56.3977, 55.3347, 41.8906



Tritanopia

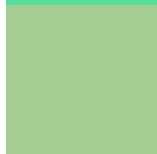
44.3839, 56.5529, 83.4394

Trichromacy



Original Color

35.6938, 56.4939, 40.0335



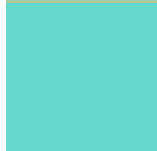
Protanomaly

42.6148, 53.7686, 35.7361



Deuteranomaly

44.8238, 53.3905, 40.7438



Tritanomaly

40.5909, 56.1329, 65.1953

Monochromacy



Original Color

35.6938, 56.4939, 40.0335



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.4982, 45.6775, 42.9694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6938, 56.4939, 40.0335 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(84, 222, 155)` looks like.

```
.text, #text, p{  
    color:rgb(84, 222, 155)  
}
```

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(84, 222, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 222, 155) }
```

Border

The CSS property to change the border of an element to XYZ 35.6938, 56.4939, 40.0335 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(84, 222, 155) }
```


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

```
.border{ border-color:rgb(84, 222, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 222, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 222, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 222, 155);  
box-shadow:4px 4px 4px 4px rgb(84, 222,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6938, 56.4939, 40.0335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 222, 155) }
```

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

```
.background{ background-color: rgb(84, 222,  
155) }
```

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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