

Converting Colors

XYZ(34.7035, 56.4932, 40.8305)

Have a look what the booklet for
XYZ(34.7035, 56.4932, 40.8305)
contains.

XYZ(34.6535, 56.3335, 40.9453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.6535, 56.3335,
40.9453)**

Conversions

Conversions Part 1

Format	Color
Hex	41DF9D
RGB	65, 223, 157
RGB Percent	25%, 87%, 62%
CMY	0.7451, 0.1255, 0.3843
CMYK	0.71, 0.00, 0.30, 0.13
HSL	155°, 71%, 56%
HSV	155°, 71%, 87%
XYZ	34.6535, 56.3335, 40.9453
YIQ	168.2340, -72.9820, -54.0220

Conversions

Conversions Part 2

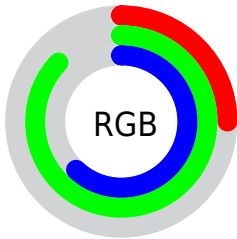
Format	Color
RYB	65, 165, 223
Decimal	4317085
CIELab	79.80, -55.75, 20.82
CIELCh	80, 59.510, 159.523
Yxy	56.3335, 0.2627, 0.4270
Android (android.graphics.Color)	4282507165 (0xFF41DF9D)
YUV	168.2340, -5.5384, -90.5362
Hunter-Lab	75.0556, -48.9332, 20.1943

Details

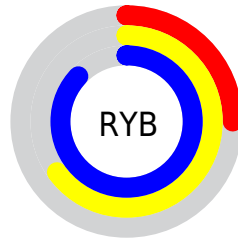
The XYZ color **34.6535, 56.3335, 40.9453** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **36.4204, 21.1087, 23.6301**, and the grayscale version is **37.3880, 39.3351, 42.8360**.

A 20% lighter version of the original color is **57.1594, 81.1790, 74.9439**, and **16.3685, 28.6574, 18.0333** is the 20% darker color. If you saturate the color by 10%, you get **32.6931, 55.4128, 36.8596**, and if you desaturate by 10%, it is **37.2599, 57.5832, 45.3803**.

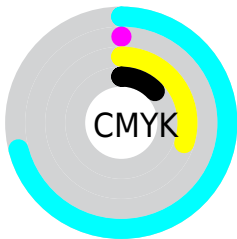
Distribution



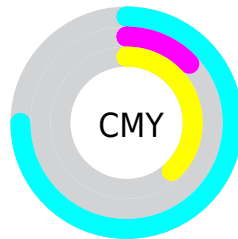
- Red (25%)
- Green (87%)
- Blue (62%)



- Red (25%)
- Yellow (65%)
- Blue (87%)



- Cyan (71%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)





- Cyan (75%)
- Magenta (13%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6535, 56.3335, 40.9453 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 34.6535, 56.3335, 40.9453 by changing the saturation by 10% instead.


 34.6535, 56.3335,
40.9453


 34.6535, 56.3335,
40.9453


314.5711,
410.9471, 365.7618


 23.5613, 40.4704,
27.9570


 66.2862, 99.4920,
77.8536


 15.1315, 27.9055,
18.0545


 87.5575, 127.5562,
102.6107

 8.9987, 18.2544,
10.8193


 112.9525,
160.4562, 132.1277

 4.7974, 11.1328,
5.8328

 142.8366,
198.5764, 166.8233

 2.1624, 6.1562,
2.6765

177.5751,
242.3012, 207.1160

 0.7228, 2.9403,
0.9316

217.5335,

 0.0000, 1.1006,

292.0150, 253.4243

0.0000

263.0771,
348.1022, 306.1667

■ 0.0000, 0.0000,
0.0000

■ 34.6535, 56.3335,
40.9453

■ 34.6535, 56.3335,
40.9453

■ 32.6931, 55.4128,
36.8596

■ 37.2599, 57.5832,
45.3803

■ 31.2998, 54.7761,
33.1089


■ 40.5704, 59.1872,
50.1704


■ 30.4077, 54.3849,
29.9600


■ 44.6414, 61.1760,
55.3261


■ 49.5219, 63.5747,
60.8561

■ 55.2569, 66.4062,
66.7686

 61.8879, 69.6920,
73.0718

 69.4536, 73.4518,
79.7732

 77.9904, 77.7042,
86.8804

 83.4824, 80.3789,
94.2110

Harmonies

Analogous

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



40.1217, 56.3335, 23.0943



34.6535, 56.3335, 40.9453



33.8047, 56.3335, 72.9720

Triad

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



34.6535, 56.3335, 40.9453



57.4649, 56.3335, 152.7019



73.4579, 56.3335, 28.0820

Complementary

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



34.6535, 56.3335, 40.9453



36.4204, 21.1087, 23.6301

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.



79.7711, 56.3335, 51.0106



34.6535, 56.3335, 40.9453



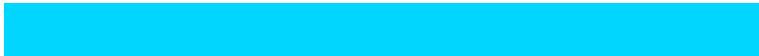
69.6669, 56.3335, 128.0045

Square

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



34.6535, 56.3335, 40.9453



45.8465, 56.3335, 146.7636



78.2884, 56.3335, 87.5762



62.0566, 56.3335, 17.8346

Rectangle

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



34.6535, 56.3335, 40.9453



35.8207, 56.3335, 100.1487



78.2884, 56.3335, 87.5762



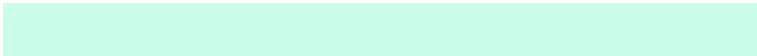
76.3177, 56.3335, 34.1258

Sweetspot

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



34.6550, 56.3357, 40.9466



74.6237, 89.8620, 90.2261



37.0904, 58.1841, 14.2776



15.4864, 18.9938, 18.8247



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.



34.6550, 56.3357, 40.9466



43.3106, 74.6337, 47.4611



39.1614, 53.7745, 78.1302



13.8618, 15.4704, 16.3073



17.9362, 31.9993, 17.9187



1.2876, 2.2358, 1.4756

Inverse Universe

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



36.4204, 21.1087, 23.6301



45.8899, 24.2418, 22.9578



33.9396, 21.1758, 7.3004



13.9435, 13.7950, 15.4729



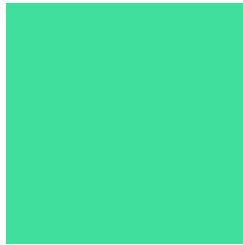
19.1125, 9.7120, 7.2580



1.3687, 0.6907, 0.7342

Previews

White Background



This preview shows how the XYZ color 34.6535, 56.3335, 40.9453 looks on a white background.

Color Contrast Check

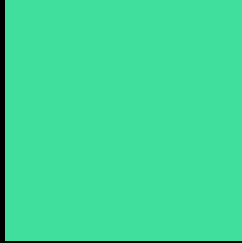
Large Text (above 18pt) WCAG AA × Fail

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 34.6535, 56.3335, 40.9453 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

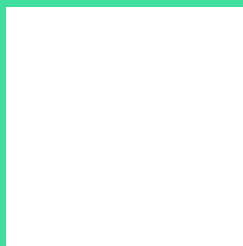
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6535, 56.3335, 40.9453

Background



This preview shows how black text looks on a background with the XYZ color 34.6535, 56.3335, 40.9453.

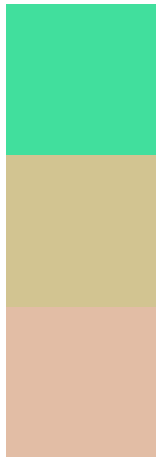


This preview shows how white text looks on a background with the XYZ color 34.6535, 56.3335,

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

34.6535, 56.3335, 40.9453

Protanopia

51.4291, 55.2258, 34.7371

Deuteranopia

56.3532, 55.2806, 43.2974



Tritanopia

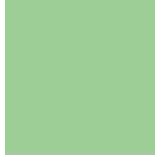
43.2942, 56.3495, 84.1960

Trichromacy



Original Color

34.6535, 56.3335, 40.9453



Protanomaly

41.4007, 53.4806, 36.5745



Deuteranomaly

43.3446, 52.5974, 42.0502



Tritanomaly

39.4582, 55.9166, 65.8401

Monochromacy



Original Color

34.6535, 56.3335, 40.9453



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.0441, 43.4721, 41.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6535, 56.3335, 40.9453 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(65, 223, 157)` looks like.

```
.text, #text, p{  
    color:rgb(65, 223, 157)  
}
```

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(65, 223, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 223, 157) }
```

Border

The CSS property to change the border of an element to XYZ 34.6535, 56.3335, 40.9453 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(65, 223, 157) }
```


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

```
.border{ border-color:rgb(65, 223, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 223, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 223, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 223, 157);  
box-shadow:4px 4px 4px 4px rgb(65, 223,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6535, 56.3335, 40.9453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 223, 157) }
```

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

```
.background{ background-color: rgb(65, 223,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor