

Converting Colors

XYZ(35.5095, 50.7334, 35.9852)

Have a look what the booklet for
XYZ(35.5095, 50.7334, 35.9852)
contains.

XYZ(35.5433, 50.8287, 35.9546)	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(35.5433, 50.8287,
35.9546)**

Conversions

Conversions Part 1

Format	Color
Hex	79CF94
RGB	121, 207, 148
RGB Percent	47%, 81%, 58%
CMY	0.5255, 0.1882, 0.4196
CMYK	0.42, 0.00, 0.29, 0.19
HSL	139°, 47%, 64%
HSV	139°, 42%, 81%
XYZ	35.5433, 50.8287, 35.9546
YIQ	174.5600, -32.3170, -36.5810

Conversions

Conversions Part 2

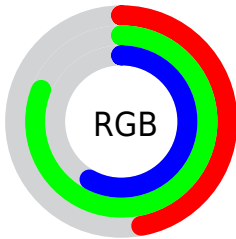
Format	Color
RYB	121, 186, 207
Decimal	7982996
CIELab	76.58, -38.80, 21.37
CIElCh	77, 44.301, 151.153
Yxy	50.8287, 0.2906, 0.4155
Android (android.graphics.Color)	4286173076 (0xFF79CF94)
YUV	174.5600, -13.0941, -46.9721
Hunter-Lab	71.2942, -35.7749, 20.0053

Details

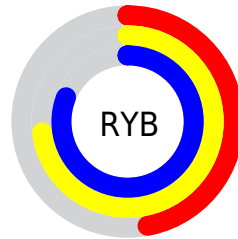
The XYZ color **35.5433, 50.8287, 35.9546** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.8094, 30.2366, 46.8673**, and the grayscale version is **40.5987, 42.7130, 46.5145**.

A 20% lighter version of the original color is **64.5521, 85.1314, 68.9069**, and **15.6327, 24.4778, 15.2100** is the 20% darker color. If you saturate the color by 10%, you get **31.8919, 49.0698, 30.2719**, and if you desaturate by 10%, it is **39.9578, 52.9679, 42.3952**.

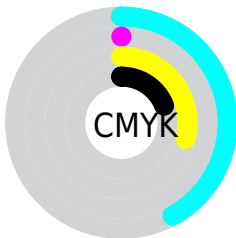
Distribution



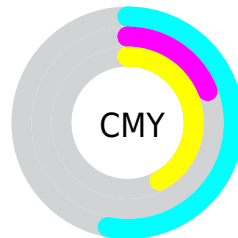
- Red (47%)
- Green (81%)
- Blue (58%)



- Red (47%)
- Yellow (73%)
- Blue (81%)



- Cyan (42%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)





- Cyan (53%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5433, 50.8287, 35.9546 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 35.5433, 50.8287, 35.9546 by changing the saturation by 10% instead.


 35.5433, 50.8287,
35.9546


 35.5433, 50.8287,
35.9546


318.4261,
389.8979, 343.7935


 24.2502, 36.0723,
24.1097


 67.6551, 91.4015,
70.1302

 15.6450, 24.4900,
15.2021


 89.2044, 117.9867,
93.2981

 9.3626, 15.6975,
8.8131


 114.9032,
149.2836, 121.0773

 5.0374, 9.3104,
4.5244

145.1168,
185.6767, 153.8865

 2.3042, 4.9442,
1.9172

180.2105,
227.5502, 192.1442

 0.7968, 2.2145,
0.5036

220.5497,

 0.0000, 0.7279,

275.2887, 236.2689

0.0000

266.4998,
329.2764, 286.6791

■ 0.0000, 0.0000,
0.0000

■ 35.5433, 50.8287,
35.9546

■ 35.5433, 50.8287,
35.9546

■ 31.8919, 49.0698,
30.2719

■ 39.9578, 52.9679,
42.3952

■ 28.9543, 47.6620,
25.3156

■ 45.1726, 55.5018,
49.6168

■ 26.6818, 46.5824,
21.0570


■ 51.2274, 58.4517,
57.6459


■ 25.0173, 45.8021,
17.4640


■ 58.1580, 61.8357,
66.5065


■ 23.8933, 45.2871,
14.5021

■ 65.9981, 65.6704,
76.2217

 23.2676, 45.0091,
12.4606

 74.7794, 69.9720,
86.8137

 80.4061, 72.6285,
98.1108

 81.6038, 73.1075,
104.4179

Harmonies

Analogous

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



40.4560, 50.8287, 24.5325



35.5433, 50.8287, 35.9546



33.9433, 50.8287, 56.2761

Triad

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



35.5433, 50.8287, 35.9546



48.6356, 50.8287, 115.3848



63.4312, 50.8287, 34.7634

Complementary

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



35.5433, 50.8287, 35.9546



40.8094, 30.2366, 46.8673

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.



66.2503, 50.8287, 54.4218



35.5433, 50.8287, 35.9546



57.1225, 50.8287, 104.8898

Square

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



35.5433, 50.8287, 35.9546



40.9562, 50.8287, 106.3162



63.8201, 50.8287, 80.6878



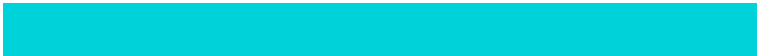
56.4978, 50.8287, 23.9974

Rectangle

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



35.5433, 50.8287, 35.9546



34.8048, 50.8287, 73.6941



63.8201, 50.8287, 80.6878



64.9251, 50.8287, 40.3245

Sweetspot

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



35.5446, 50.8308, 35.9557



81.4769, 93.3722, 91.5754



44.8688, 55.8564, 26.5063



17.1502, 19.8445, 19.2228



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.



35.5446, 50.8308, 35.9557



51.6111, 78.8801, 49.3211



39.4720, 52.4017, 56.6368



11.8070, 13.2666, 13.3401



14.6970, 28.3717, 8.0503



0.8575, 1.6006, 0.6381

Inverse Universe

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



40.8094, 30.2366, 46.8673



61.1562, 41.4731, 69.0526



37.1729, 28.7820, 27.7178



12.1462, 11.9432, 14.0459



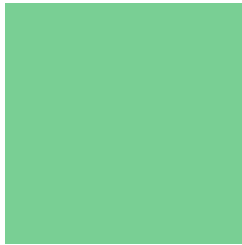
19.3336, 9.6063, 17.1947



1.1160, 0.5511, 1.1456

Previews

White Background



This preview shows how the XYZ color 35.5433, 50.8287, 35.9546 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 35.5433, 50.8287, 35.9546 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 35.5433, 50.8287, 35.9546

Background



This preview shows how black text looks on a background with the XYZ color 35.5433, 50.8287, 35.9546.



This preview shows how white text looks on a background with the XYZ color 35.5433, 50.8287,

35.9546.

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

35.5433, 50.8287, 35.9546

Protanopia

47.0005, 50.3871, 31.6746

Deuteranopia

51.2701, 50.2863, 37.5758



Tritanopia

42.4850, 50.4774, 71.1223

Trichromacy



Original Color

35.5433, 50.8287, 35.9546



Protanomaly

41.6312, 49.8674, 33.0224



Deuteranomaly

43.6094, 49.1612, 36.8964



Tritanomaly

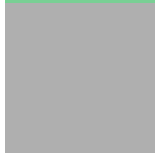
39.5410, 50.3163, 56.3432

Monochromacy



Original Color

35.5433, 50.8287, 35.9546



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.0794, 45.2258, 42.3198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5433, 50.8287, 35.9546 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(121, 207, 148)` looks like.

```
.text, #text, p{  
    color:rgb(121, 207, 148)  
}
```

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(121, 207, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 207, 148) }
```

Border

The CSS property to change the border of an element to XYZ 35.5433, 50.8287, 35.9546 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(121, 207, 148) }
```


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

```
.border{ border-color:rgb(121, 207, 148) }
```

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

Here you see how a box with a 4 pixel rgb(121, 207, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 207, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 207, 148);  
box-shadow:4px 4px 4px 4px rgb(121, 207,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5433, 50.8287, 35.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 207, 148) }
```

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

```
.background{ background-color: rgb(121,  
207, 148) }
```

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