

Converting Colors

XYZ(35.0186, 46.9632, 39.2215)

Have a look what the booklet for
XYZ(35.0186, 46.9632, 39.2215)
contains.

XYZ(34.9541, 46.9560, 39.1194)	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(34.9541, 46.9560,
39.1194)**

Conversions

Conversions Part 1

Format	Color
Hex	80C59D
RGB	128, 197, 157
RGB Percent	50%, 77%, 62%
CMY	0.4980, 0.2274, 0.3843
CMYK	0.35, 0.00, 0.20, 0.23
HSL	145°, 37%, 64%
HSV	145°, 35%, 77%
XYZ	34.9541, 46.9560, 39.1194
YIQ	171.8090, -28.2840, -27.0680

Conversions

Conversions Part 2

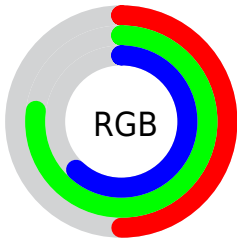
Format	Color
RYB	128, 177, 197
Decimal	8439197
CIELab	74.16, -30.40, 13.27
CIELCh	74, 33.172, 156.419
Yxy	46.9560, 0.2888, 0.3880
Android (android.graphics.Color)	4286629277 (0xFF80C59D)
YUV	171.8090, -7.3008, -38.4205
Hunter-Lab	68.5244, -28.8655, 14.1195

Details

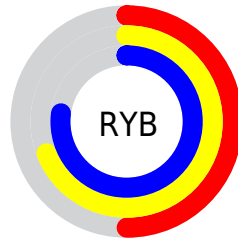
The XYZ color **34.9541, 46.9560, 39.1194** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8145, 30.1368, 40.8715**, and the grayscale version is **39.1631, 41.2026, 44.8696**.

A 20% lighter version of the original color is **66.8539, 85.7044, 75.3064**, and **15.3256, 22.1814, 17.1094** is the 20% darker color. If you saturate the color by 10%, you get **31.3439, 45.2036, 34.0967**, and if you desaturate by 10%, it is **39.2333, 49.0453, 44.6513**.

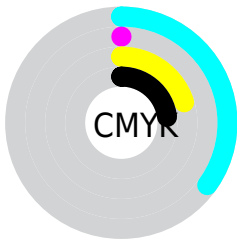
Distribution



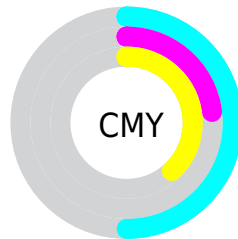
- Red (50%)
- Green (77%)
- Blue (62%)



- Red (50%)
- Yellow (69%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)



- Cyan (50%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9541, 46.9560, 39.1194 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 34.9541, 46.9560, 39.1194 by changing the saturation by 10% instead.

■ 34.9541, 46.9560,
39.1194

■ 34.9541, 46.9560,
39.1194

315.8773,
374.6389, 357.8390

■ 23.7939, 33.0009,
26.5441

■ 66.7491, 85.6479,
75.0430

■ 15.3047, 22.1271,
17.0017

■ 88.1147, 111.1535,
99.2284

■ 9.1212, 13.9503,
10.0737

■ 113.6127,
141.2781, 128.1209

■ 4.8781, 8.0861,
5.3416

143.6085,
176.4060, 162.1391

■ 2.2099, 4.1501,
2.3868

178.4675,
216.9216, 201.7014

■ 0.7480, 1.7579,
0.7793

218.5551,

■ 0.0000, 0.4607,

263.2094, 247.2265

0.0000

264.2365,
315.6537, 299.1328

■ 0.0000, 0.0000,
0.0000

■ 34.9541, 46.9560,
39.1194

■ 34.9541, 46.9560,
39.1194

■ 31.3439, 45.2036,
34.0967

■ 39.2333, 49.0453,
44.6513

■ 28.3630, 43.7641,
29.5653

■ 44.2108, 51.4825,
50.7032

■ 25.9732, 42.6194,
25.5109

■ 49.9188, 54.2852,
57.2897

■ 24.1302, 41.7469,
21.9172

■ 56.3862, 57.4681,
64.4236

■ 22.7834, 41.1209,
18.7670

■ 63.6403, 61.0449,
72.1175

■ 21.8711, 40.7100,
16.0416

■ 71.7072, 65.0290,
80.3835

■ 21.5206, 40.5557,
14.8362

■ 76.4854, 67.3056,
89.0401

■ 78.2075, 67.9944,
98.1085

■ 79.2571, 68.4143,
103.6357

Harmonies

Analogous

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



38.1833, 46.9560, 29.0528



34.9541, 46.9560, 39.1194



34.2095, 46.9560, 54.8743

Triad

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



34.9541, 46.9560, 39.1194



45.9202, 46.9560, 91.0370



54.4729, 46.9560, 34.0533

Complementary

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



34.9541, 46.9560, 39.1194



37.8145, 30.1368, 40.8715

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.



56.9777, 46.9560, 47.5545



34.9541, 46.9560, 39.1194



51.7649, 46.9560, 82.2467

Square

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



34.9541, 46.9560, 39.1194



40.2127, 46.9560, 87.3735



55.9452, 46.9560, 65.3703



49.3601, 46.9560, 26.6140

Rectangle

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



34.9541, 46.9560, 39.1194



35.1577, 46.9560, 67.1164



55.9452, 46.9560, 65.3703



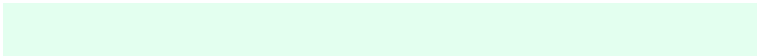
55.6676, 46.9560, 37.9032

Sweetspot

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



34.9554, 46.9579, 39.1205



82.9642, 94.0593, 95.2418



40.0658, 49.8454, 27.9320



17.4638, 19.9883, 20.0433



0.0000, 0.0000, 0.0000



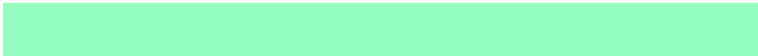
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.9554, 46.9579, 39.1205



57.5705, 81.6529, 63.1268



38.3013, 48.2963, 56.7401



10.6793, 11.9606, 12.2614



14.1942, 26.6901, 9.9672



0.7081, 1.2782, 0.6615

Inverse Universe

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



37.8145, 30.1368, 40.8715



63.4456, 47.0610, 66.7048



35.0321, 29.0239, 26.2193



10.8873, 10.7383, 12.3899



17.1931, 8.6268, 11.4929



0.8497, 0.4227, 0.7316

Previews

White Background



This preview shows how the XYZ color 34.9541, 46.9560, 39.1194 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 34.9541, 46.9560, 39.1194 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 34.9541, 46.9560, 39.1194

Background



This preview shows how black text looks on a background with the XYZ color 34.9541, 46.9560, 39.1194.



This preview shows how white text looks on a background with the XYZ color 34.9541, 46.9560,

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

34.9541, 46.9560, 39.1194

Protanopia

43.6869, 46.4241, 35.0920

Deuteranopia

47.3052, 46.3904, 40.6434



Tritanopia

40.0353, 46.6864, 65.2938

Trichromacy



Original Color

34.9541, 46.9560, 39.1194

Protanomaly

39.8000, 46.2427, 36.5338

Deuteranomaly

41.6387, 45.8700, 39.9169

Tritanomaly

37.9786, 46.8391, 54.6161

Monochromacy



Original Color

34.9541, 46.9560, 39.1194

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.2092, 42.9057, 42.8797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9541, 46.9560, 39.1194 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(128, 197, 157)` looks like.

```
.text, #text, p{  
    color:rgb(128, 197, 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(128, 197, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 197, 157) }
```

Border

The CSS property to change the border of an element to XYZ 34.9541, 46.9560, 39.1194 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(128, 197, 157) }
```


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

```
.border{ border-color:rgb(128, 197, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 197, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 197, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 197, 157);  
box-shadow:4px 4px 4px 4px rgb(128, 197,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9541, 46.9560, 39.1194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 197, 157) }
```

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

```
.background{ background-color: rgb(128,  
197, 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