

Converting Colors

XYZ(35.4240, 57.9413, 39.0892)

Have a look what the booklet for
XYZ(35.4240, 57.9413, 39.0892)
contains.

XYZ(35.4624, 57.9993, 39.0317)	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(35.4624, 57.9993,
39.0317)**

Conversions

Conversions Part 1

Format	Color
Hex	47E298
RGB	71, 226, 152
RGB Percent	28%, 89%, 60%
CMY	0.7216, 0.1137, 0.4039
CMYK	0.69, 0.00, 0.33, 0.11
HSL	151°, 73%, 58%
HSV	151°, 69%, 89%
XYZ	35.4624, 57.9993, 39.0317
YIQ	171.2190, -68.6260, -55.8740

Conversions

Conversions Part 2

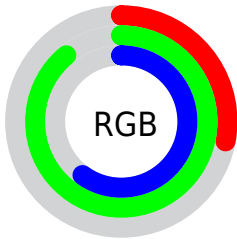
Format	Color
RYB	71, 173, 226
Decimal	4711064
CIELab	80.74, -57.02, 24.72
CIELCh	81, 62.148, 156.566
Yxy	57.9993, 0.2677, 0.4378
Android (android.graphics.Color)	4282901144 (0xFF47E298)
YUV	171.2190, -9.4750, -87.8921
Hunter-Lab	76.1573, -50.1572, 22.9231

Details

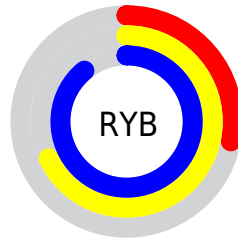
The XYZ color **35.4624, 57.9993, 39.0317** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **38.7300, 22.7209, 29.1346**, and the grayscale version is **38.8911, 40.9164, 44.5580**.

A 20% lighter version of the original color is **57.1758, 81.2592, 71.7026**, and **16.5369, 29.3155, 17.0988** is the 20% darker color. If you saturate the color by 10%, you get **33.2590, 56.9625, 34.5241**, and if you desaturate by 10%, it is **38.3653, 59.3905, 43.9943**.

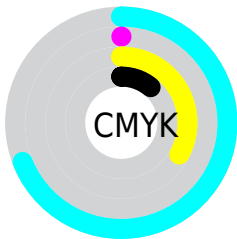
Distribution



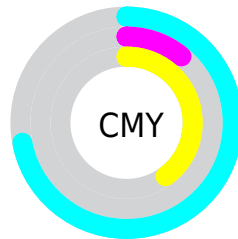
- Red (28%)
- Green (89%)
- Blue (60%)



- Red (28%)
- Yellow (68%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (33%)
- Black (11%)





- Cyan (72%)
- Magenta (11%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4624, 57.9993, 39.0317 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 35.4624, 57.9993, 39.0317 by changing the saturation by 10% instead.


 35.4624, 57.9993,
39.0317


 35.4624, 57.9993,
39.0317


318.0770,
417.1833, 357.4552


 24.1875, 41.8081,
26.4764


 67.5308, 101.9218,
74.9076


 15.5982, 28.9510,
16.9514


 89.0550, 130.4220,
99.0653

 9.3293, 19.0438,
10.0383


 114.7263,
163.7938, 127.9275

 5.0154, 11.7019,
5.3184

 144.9100,
202.4218, 161.9127

 2.2912, 6.5411,
2.3733

179.9716,
246.6904, 201.4396

 0.7901, 3.1768,
0.7718

220.2764,

 0.0000, 1.2247,

296.9839, 246.9266

0.0000

266.1898,
353.6868, 298.7923

■ 0.0000, 0.0817,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4624, 57.9993,
39.0317

■ 35.4624, 57.9993,
39.0317

■ 33.2590, 56.9625,
34.5241

■ 38.3653, 59.3905,
43.9943

■ 31.6761, 56.2349,
30.4529


■ 42.0265, 61.1616,
49.4217


■ 30.6054, 55.7626,
26.8026


■ 46.5032, 63.3434,
55.3280


■ 30.4735, 55.7053,
26.3177


■ 51.8460, 65.9616,
61.7256

 58.1008, 69.0398,
68.6262

 65.3106, 72.6000,
76.0414

 73.5154, 76.6624,
83.9820

 82.7526, 81.2463,
92.4586

 85.5540, 82.5014,
101.1303

Harmonies

Analogous

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



41.7073, 57.9993, 21.7285



35.4624, 57.9993, 39.0317



34.0860, 57.9993, 71.5723

Triad

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



35.4624, 57.9993, 39.0317



57.9934, 57.9993, 162.4447



77.3885, 57.9993, 29.7406

Complementary

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



35.4624, 57.9993, 39.0317



38.7300, 22.7209, 29.1346

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.



83.4188, 57.9993, 55.4183



35.4624, 57.9993, 39.0317



71.1537, 57.9993, 138.5108

Square

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



35.4624, 57.9993, 39.0317



45.8934, 57.9993, 152.5891



80.9763, 57.9993, 95.5915



65.5219, 57.9993, 18.0011

Rectangle

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



35.4624, 57.9993, 39.0317



35.8884, 57.9993, 100.2759



80.9763, 57.9993, 95.5915



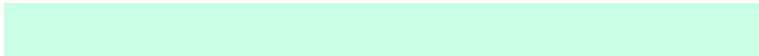
80.2429, 57.9993, 36.5490

Sweetspot

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



35.4639, 58.0016, 39.0330



74.1720, 89.6814, 87.8475



40.1748, 60.9535, 15.6097



15.3790, 18.9509, 18.2590



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.



35.4639, 58.0016, 39.0330



42.8128, 74.4708, 43.2028



42.8270, 59.8313, 81.2457



13.8265, 15.4563, 16.1213



17.4449, 31.8028, 15.3320



1.2544, 2.2225, 1.3007

Inverse Universe

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



38.7300, 22.7209, 29.1346



47.3805, 25.2731, 29.4654



34.9240, 21.4670, 8.2648



13.9784, 13.8090, 15.6563



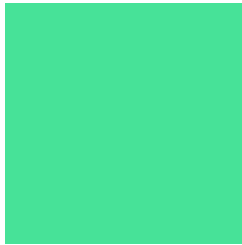
19.4936, 9.8644, 9.2649



1.3962, 0.7018, 0.8794

Previews

White Background



This preview shows how the XYZ color 35.4624, 57.9993, 39.0317 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 35.4624, 57.9993, 39.0317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

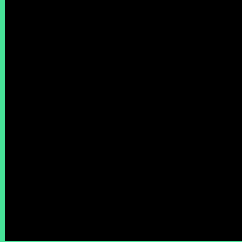
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

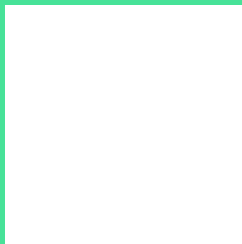
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4624, 57.9993, 39.0317

Background



This preview shows how black text looks on a background with the XYZ color 35.4624, 57.9993, 39.0317.



This preview shows how white text looks on a background with the XYZ color 35.4624, 57.9993,

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

35.4624, 57.9993, 39.0317

Protanopia

52.8886, 57.0364, 33.0325

Deuteranopia

57.9310, 56.7886, 41.1657



Tritanopia

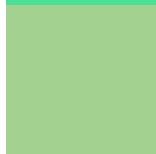
44.7433, 57.8197, 85.8929

Trichromacy



Original Color

35.4624, 57.9993, 39.0317



Protanomaly

42.7348, 55.2959, 34.8064



Deuteranomaly

44.9122, 54.5043, 40.0515



Tritanomaly

40.8067, 57.7702, 66.1268

Monochromacy



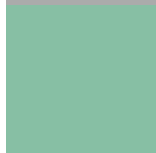
Original Color

35.4624, 57.9993, 39.0317



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.3233, 45.0928, 41.9640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4624, 57.9993, 39.0317 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(71, 226, 152)` looks like.

```
.text, #text, p{  
  color:rgb(71, 226, 152)  
}
```

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(71, 226, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 226, 152) }
```

Border

The CSS property to change the border of an element to XYZ 35.4624, 57.9993, 39.0317 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(71, 226, 152) }
```


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

```
.border{ border-color:rgb(71, 226, 152) }
```

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

Here you see how a box with a 4 pixel rgb(71, 226, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 226, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 226, 152);  
box-shadow:4px 4px 4px 4px rgb(71, 226,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4624, 57.9993, 39.0317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 226, 152) }
```

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

```
.background{ background-color: rgb(71, 226,  
152) }
```

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