

Converting Colors

XYZ(35.9099, 54.4244, 50.4731)

Have a look what the booklet for
XYZ(35.9099, 54.4244, 50.4731)
contains.

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Color

**XYZ(35.9906, 54.4598,
50.7344)**

Conversions

Conversions Part 1

Format	Color
Hex	4ED9B2
RGB	78, 217, 178
RGB Percent	31%, 85%, 70%
CMY	0.6941, 0.1490, 0.3020
CMYK	0.64, 0.00, 0.18, 0.15
HSL	163°, 65%, 58%
HSV	163°, 64%, 85%
XYZ	35.9906, 54.4598, 50.7344
YIQ	170.9930, -70.3250, -41.5970

Conversions

Conversions Part 2

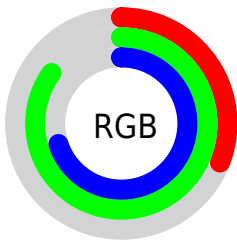
Format	Color
RYB	78, 159, 217
Decimal	5167538
CIELab	78.73, -46.58, 8.27
CIELCh	79, 47.312, 169.928
Yxy	54.4598, 0.2549, 0.3857
Android (android.graphics.Color)	4283357618 (0xFF4ED9B2)
YUV	170.9930, 3.4545, -81.5549
Hunter-Lab	73.7969, -42.0904, 10.8967

Details

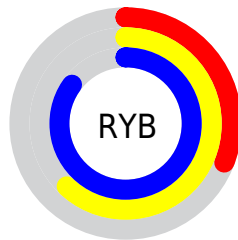
The XYZ color **35.9906, 54.4598, 50.7344** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.5523, 21.4862, 19.1576**, and the grayscale version is **38.7150, 40.7312, 44.3563**.

A 20% lighter version of the original color is **61.5958, 83.1232, 90.6399**, and **16.4465, 26.9704, 23.7410** is the 20% darker color. If you saturate the color by 10%, you get **33.8998, 53.4524, 47.5165**, and if you desaturate by 10%, it is **38.6980, 55.7846, 54.1252**.

Distribution



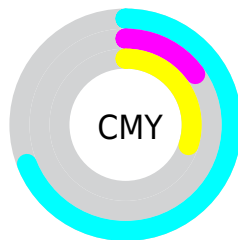
- Red (31%)
- Green (85%)
- Blue (70%)



- Red (31%)
- Yellow (62%)
- Blue (85%)



- Cyan (64%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)





- Cyan (69%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9906, 54.4598, 50.7344 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 35.9906, 54.4598, 50.7344 by changing the saturation by 10% instead.


 35.9906, 54.4598,
50.7344


 35.9906, 54.4598,
50.7344


320.3514,
403.8609, 406.3480


 24.5970, 38.9694,
35.6220


 68.3415, 96.7490,
92.6695


 15.9042, 26.7359,
23.8550


 90.0296, 124.3166,
120.3294

 9.5468, 17.3750,
15.0149


 115.8798,
156.6788, 153.0087

 5.1595, 10.5022,
8.6831

 146.2576,
194.2198, 191.1262

 2.3769, 5.7332,
4.4411

181.5283,
237.3241, 235.1004

 0.8336, 2.6835,
1.8703

222.0573,

 0.0000, 0.9688,

286.3762, 285.3497

0.4737

268.2099,
341.7603, 342.2927

■ 0.0000, 0.0000,
0.0000

■ 35.9906, 54.4598,
50.7344

■ 35.9906, 54.4598,
50.7344

■ 33.8998, 53.4524,
47.5165

■ 38.6980, 55.7846,
54.1252

■ 32.3604, 52.7248,
44.4631

■ 42.0698, 57.4475,
57.6894

■ 31.3004, 52.2413,
41.5702

■ 46.1542, 59.4744,
61.4321

■ 30.8243, 52.0318,
39.9219

■ 50.9935, 61.8874,
65.3571

■ 56.6269, 64.7063,
69.4679

■ 63.0904, 67.9499,
73.7678

■ 70.4182, 71.6357,
78.2600

■ 78.6421, 75.7800,
82.9477

■ 80.7335, 76.7595,
87.5036

Harmonies

Analogous

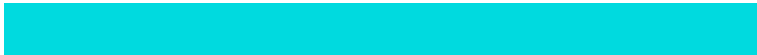
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1780, 54.4598, 31.9258



35.9906, 54.4598, 50.7344



36.6223, 54.4598, 78.6530

Triad

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



35.9906, 54.4598, 50.7344



58.1407, 54.4598, 122.1346



64.2311, 54.4598, 27.9590

Complementary

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



35.9906, 54.4598, 50.7344



34.5523, 21.4862, 19.1576

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.



70.5880, 54.4598, 43.4103



35.9906, 54.4598, 50.7344



66.7887, 54.4598, 99.0415

Square

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



35.9906, 54.4598, 50.7344



48.6790, 54.4598, 125.8820



71.5765, 54.4598, 68.7736



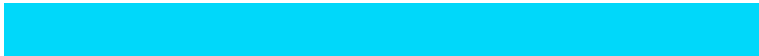
54.9733, 54.4598, 21.6552

Rectangle

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



35.9906, 54.4598, 50.7344



39.1539, 54.4598, 98.9025



71.5765, 54.4598, 68.7736



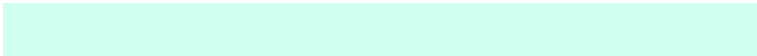
66.8230, 54.4598, 31.9912

Sweetspot

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



35.9921, 54.4619, 50.7357



77.3044, 91.0958, 97.0458



33.5774, 53.9866, 15.8592



16.0561, 19.2531, 20.4084



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.



35.9921, 54.4619, 50.7357



47.9573, 76.6049, 66.8447



33.4135, 42.1226, 72.0176



13.2809, 14.7640, 15.9423



18.7058, 31.5150, 24.4141



1.2479, 2.0561, 1.7715

Inverse Universe

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



34.5523, 21.4862, 19.1576



45.8087, 25.5611, 18.3627



35.3670, 26.0530, 10.3732



13.2055, 13.1113, 14.3432



17.8693, 9.1488, 3.6917



1.1941, 0.6073, 0.4310

Previews

White Background



This preview shows how the XYZ color 35.9906, 54.4598, 50.7344 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 35.9906, 54.4598, 50.7344 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

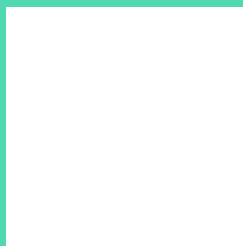
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9906, 54.4598, 50.7344

Background



This preview shows how black text looks on a background with the XYZ color 35.9906, 54.4598, 50.7344.

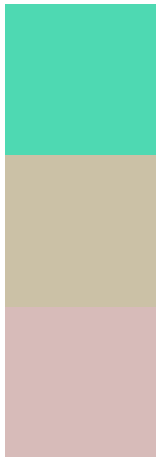


This preview shows how white text looks on a background with the XYZ color 35.9906, 54.4598,

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

35.9906, 54.4598, 50.7344

Protanopia

50.5815, 53.5896, 43.7543

Deuteranopia

54.5516, 53.4905, 53.3485



Tritanopia

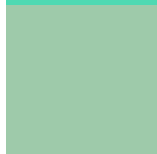
41.9487, 54.2359, 80.9307

Trichromacy



Original Color

35.9906, 54.4598, 50.7344



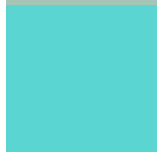
Protanomaly

42.4768, 52.4124, 45.9081



Deuteranomaly

44.1546, 51.7649, 51.9204



Tritanomaly

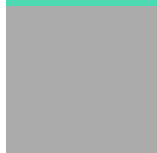
39.6173, 54.4161, 68.7369

Monochromacy



Original Color

35.9906, 54.4598, 50.7344



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9397, 44.3408, 46.7088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9906, 54.4598, 50.7344 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(78, 217, 178)` looks like.

```
.text, #text, p{  
    color:rgb(78, 217, 178)  
}
```

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(78, 217, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 217, 178) }
```

Border

The CSS property to change the border of an element to XYZ 35.9906, 54.4598, 50.7344 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(78, 217, 178) }
```


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

```
.border{ border-color:rgb(78, 217, 178) }
```

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

Here you see how a box with a 4 pixel rgb(78, 217, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 217, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 217, 178);  
box-shadow:4px 4px 4px 4px rgb(78, 217,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9906, 54.4598, 50.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 217, 178) }
```

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

```
.background{ background-color: rgb(78, 217,  
178) }
```

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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