

Converting Colors

XYZ(34.9846, 41.8832, 49.2599)

Have a look what the booklet for
XYZ(34.9846, 41.8832, 49.2599)
contains.

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Color

**XYZ(35.1195, 41.9854,
49.4330)**

Conversions

Conversions Part 1

Format	Color
Hex	88B6B4
RGB	136, 182, 180
RGB Percent	53%, 71%, 71%
CMY	0.4667, 0.2863, 0.2941
CMYK	0.25, 0.00, 0.01, 0.29
HSL	177°, 24%, 62%
HSV	177°, 25%, 71%
XYZ	35.1195, 41.9854, 49.4330
YIQ	168.0180, -26.7740, -10.3740

Conversions

Conversions Part 2

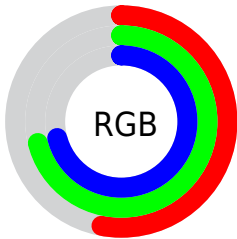
Format	Color
RYB	136, 160, 182
Decimal	8959668
CIELab	70.86, -15.61, -3.95
CIElCh	71, 16.104, 194.216
Yxy	41.9854, 0.2775, 0.3318
Android (android.graphics.Color)	4287149748 (0xFF88B6B4)
YUV	168.0180, 5.9071, -28.0798
Hunter-Lab	64.7961, -16.6463, 0.1249

Details

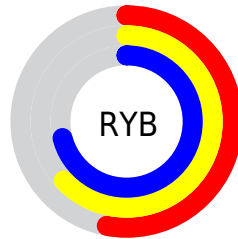
The XYZ color **35.1195, 41.9854, 49.4330** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6845, 29.3896, 27.9965**, and the grayscale version is **37.2106, 39.1484, 42.6326**.

A 20% lighter version of the original color is **66.9501, 78.1523, 90.9131**, and **15.3372, 19.1176, 22.9604** is the 20% darker color. If you saturate the color by 10%, you get **32.3309, 40.5582, 48.8833**, and if you desaturate by 10%, it is **38.4130, 43.6750, 50.0106**.

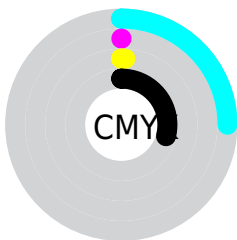
Distribution



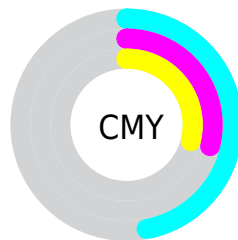
- Red (53%)
- Green (71%)
- Blue (71%)



- Red (53%)
- Yellow (63%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (47%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1195, 41.9854, 49.4330 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 35.1195, 41.9854, 49.4330 by changing the saturation by 10% instead.

■ 35.1195, 41.9854,
49.4330

■ 35.1195, 41.9854,
49.4330

316.5943,
354.4224, 401.1158

■ 23.9219, 29.0899,
34.5951

■ 67.0037, 78.1775,
90.7219

■ 15.4001, 19.1488,
23.0701

■ 88.4209, 102.2429,
118.0098

■ 9.1888, 11.7779,
14.4395

■ 113.9754,
130.8004, 150.2849

■ 4.9226, 6.5926,
8.2847

144.0325,
164.2343, 187.9657

■ 2.2362, 3.2086,
4.1873

178.9576,
202.9290, 231.4706

■ 0.7617, 1.2416,
1.7286

219.1160,

■ 0.0000, 0.0953,

247.2690, 281.2182

0.3803

264.8731,
297.6387, 337.6271

■ 0.0000, 0.0000,
0.0000

■ 35.1195, 41.9854,
49.4330

■ 35.1195, 41.9854,
49.4330

■ 32.3309, 40.5582,
48.8833

■ 38.4130, 43.6750,
50.0106

■ 30.0180, 39.3751,
48.3573

■ 42.2312, 45.6339,
50.6142

■ 28.1547, 38.4237,
47.8548

■ 46.5975, 47.8754,
51.2459

■ 26.7105, 37.6884,
47.3743

■ 51.5326, 50.4100,
51.9066

■ 25.6513, 37.1514,
46.9142

■ 57.0562, 53.2480,
52.5973

■ 24.9377, 36.7925,
46.4726

■ 63.1872, 56.3990,
53.3189

■ 24.5208, 36.5866,
46.0474

■ 66.7835, 58.2433,
53.9243

■ 24.3766, 36.5165,
45.8497

■ 66.8677, 58.2769,
54.3677

■ 66.9523, 58.3108,
54.8136

Harmonies

Analogous

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



35.1530, 41.9854, 41.8197



35.1195, 41.9854, 49.4330



36.3279, 41.9854, 56.7896

Triad

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



35.1195, 41.9854, 49.4330



43.6056, 41.9854, 57.1200



41.3230, 41.9854, 32.9416

Complementary

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



35.1195, 41.9854, 49.4330



32.6845, 29.3896, 27.9965

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.



43.7114, 41.9854, 36.1827



35.1195, 41.9854, 49.4330



45.0689, 41.9854, 49.8449

Square

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



35.1195, 41.9854, 49.4330



41.1838, 41.9854, 61.5524



45.1085, 41.9854, 42.1882



38.6546, 41.9854, 32.8578

Rectangle

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



35.1195, 41.9854, 49.4330



37.7077, 41.9854, 60.3211



45.1085, 41.9854, 42.1882



42.1879, 41.9854, 33.6803

Sweetspot

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



35.1207, 41.9871, 49.4340



74.4818, 81.6632, 91.4410



31.7041, 40.6641, 29.4713



16.2159, 17.9164, 20.1599



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.1207, 41.9871, 49.4340



60.9135, 74.7064, 89.0914



31.3954, 34.2077, 49.2059



9.2493, 10.2037, 11.4704



17.2203, 25.7891, 32.4117



0.6123, 0.9112, 1.1702

Inverse Universe

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



32.6845, 29.3896, 27.9965



55.7833, 48.1730, 43.9444



35.7431, 35.7366, 28.3074



9.0200, 9.0184, 9.4529



13.6605, 7.0379, 0.8329



0.4869, 0.2503, 0.0577

Previews

White Background



This preview shows how the XYZ color 35.1195, 41.9854, 49.4330 looks on a white background.

Color Contrast Check

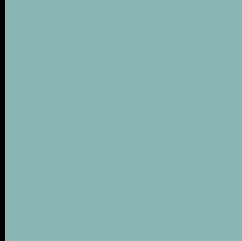
Large Text (above 18pt) WCAG AA × Fail

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 35.1195, 41.9854, 49.4330 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

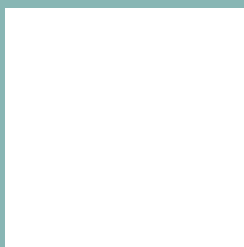
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1195, 41.9854, 49.4330

Background



This preview shows how black text looks on a background with the XYZ color 35.1195, 41.9854, 49.4330.



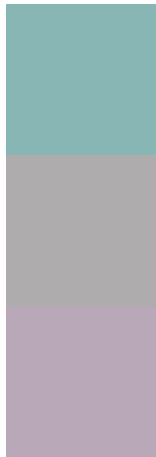
This preview shows how white text looks on a background with the XYZ color 35.1195, 41.9854,

49.4330.

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

35.1195, 41.9854, 49.4330

Protanopia

40.0717, 41.6750, 45.9765

Deuteranopia

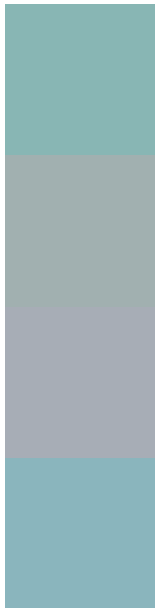
42.5575, 41.7384, 50.6131



Tritanopia

36.7063, 42.0265, 57.2162

Trichromacy



Original Color

35.1195, 41.9854, 49.4330

Protanomaly

38.0597, 41.7623, 47.1293

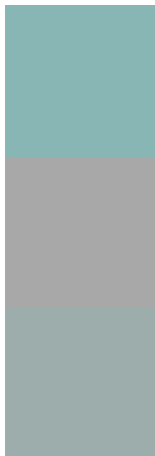
Deuteranomaly

39.3234, 41.4800, 50.1898

Tritanomaly

36.1904, 42.1251, 54.3676

Monochromacy



Original Color

35.1195, 41.9854, 49.4330

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.1003, 39.9336, 44.8350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1195, 41.9854, 49.4330 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(136, 182, 180)` looks like.

```
.text, #text, p{  
    color:rgb(136, 182, 180)  
}
```

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(136, 182, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 182, 180) }
```

Border

The CSS property to change the border of an element to XYZ 35.1195, 41.9854, 49.4330 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(136, 182, 180) }
```


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

```
.border{ border-color:rgb(136, 182, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 182, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 182, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 182, 180);  
box-shadow:4px 4px 4px 4px rgb(136, 182,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1195, 41.9854, 49.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 182, 180) }
```

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

```
.background{ background-color: rgb(136,  
182, 180) }
```

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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