

Converting Colors

XYZ(33.9491, 40.0733, 45.8259)

Have a look what the booklet for
XYZ(33.9491, 40.0733, 45.8259)
contains.

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Color

**XYZ(33.8434, 39.9035,
45.9628)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB1AE
RGB	138, 177, 174
RGB Percent	54%, 69%, 68%
CMY	0.4588, 0.3059, 0.3176
CMYK	0.22, 0.00, 0.02, 0.31
HSL	175°, 20%, 62%
HSV	175°, 22%, 69%
XYZ	33.8434, 39.9035, 45.9628
YIQ	164.9970, -22.2810, -9.2010

Conversions

Conversions Part 2

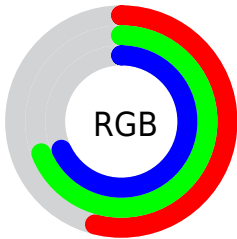
Format	Color
RYB	138, 158, 177
Decimal	9089454
CIELab	69.40, -13.72, -2.79
CIElCh	69, 13.997, 191.488
Yxy	39.9035, 0.2827, 0.3333
Android (android.graphics.Color)	4287279534 (0xFF8AB1AE)
YUV	164.9970, 4.4385, -23.6764
Hunter-Lab	63.1692, -14.9134, 1.0782

Details

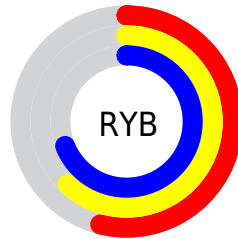
The XYZ color **33.8434, 39.9035, 45.9628** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0291, 29.4484, 29.1971**, and the grayscale version is **35.7507, 37.6125, 40.9600**.

A 20% lighter version of the original color is **65.0200, 75.1414, 85.2056**, and **14.6510, 17.8467, 21.0849** is the 20% darker color. If you saturate the color by 10%, you get **31.0184, 38.4635, 45.1415**, and if you desaturate by 10%, it is **37.1493, 41.5934, 46.8153**.

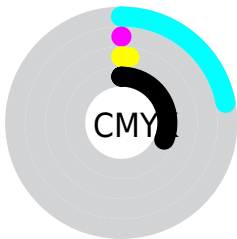
Distribution



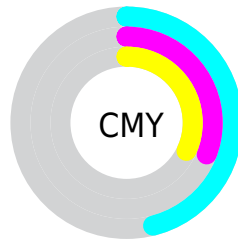
- Red (54%)
- Green (69%)
- Blue (68%)



- Red (54%)
- Yellow (62%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (46%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8434, 39.9035, 45.9628 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 33.8434, 39.9035, 45.9628 by changing the saturation by 10% instead.

■ 33.8434, 39.9035,
45.9628

■ 33.8434, 39.9035,
45.9628

311.0314,
345.7167, 386.9323

■ 22.9356, 27.4633,
31.8680

■ 65.0360, 75.0165,
85.4970

■ 14.6664, 17.9215,
20.9967

■ 86.0515, 98.4582,
111.7735

■ 8.6704, 10.8936,
12.9304

■ 111.1670,
126.3358, 142.9477

■ 4.5822, 5.9954,
7.2505

140.7478,
159.0337, 179.4381

■ 2.0365, 2.8423,
3.5384

175.1593,
196.9364, 221.6632

■ 0.6543, 1.0499,
1.3757

214.7668,

■ 0.0000, 0.0000,

240.4281, 270.0416

0.1227

259.9358,
289.8935, 324.9918

■ 0.0000, 0.0000,
0.0000

■ 33.8434, 39.9035,
45.9628

■ 33.8434, 39.9035,
45.9628

■ 31.0184, 38.4635,
45.1415

■ 37.1493, 41.5934,
46.8153

■ 28.6478, 37.2565,
44.3476

■ 40.9542, 43.5393,
47.6975

■ 26.7077, 36.2713,
43.5809

■ 45.2795, 45.7533,
48.6110

■ 25.1707, 35.4938,
42.8400

■ 50.1442, 48.2453,
49.5569

■ 24.0062, 34.9081,
42.1235

■ 55.5666, 51.0245,
50.5359

■ 23.1793, 34.4963,
41.4297

■ 61.5638, 54.1000,
51.5491

■ 22.6483, 34.2369,
40.7567

■ 65.5662, 56.1470,
52.4760

■ 22.3676, 34.1035,
40.2321

■ 65.7093, 56.2042,
53.2295

■ 65.8538, 56.2620,
53.9902

Harmonies

Analogous

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



33.9707, 39.9035, 39.6316



33.8434, 39.9035, 45.9628



34.7776, 39.9035, 52.1840

Triad

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



33.8434, 39.9035, 45.9628



40.8659, 39.9035, 53.4063



39.3174, 39.9035, 32.7261

Complementary

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



33.8434, 39.9035, 45.9628



32.0291, 29.4484, 29.1971

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.



41.2611, 39.9035, 35.7460



33.8434, 39.9035, 45.9628



42.1793, 39.9035, 47.5021

Square

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



33.8434, 39.9035, 45.9628



38.7953, 39.9035, 56.7565



42.3267, 39.9035, 41.0269



37.0720, 39.9035, 32.4019

Rectangle

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



33.8434, 39.9035, 45.9628



35.8992, 39.9035, 55.2705



42.3267, 39.9035, 41.0269



40.0300, 39.9035, 33.4446

Sweetspot

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



33.8446, 39.9051, 45.9637



69.7650, 76.1431, 84.6107



31.3379, 38.9655, 29.9151



15.0349, 16.4583, 18.3169



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.8446, 39.9051, 45.9637



58.2766, 70.2740, 81.6603



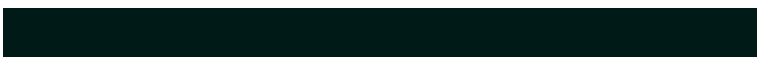
31.1195, 33.9814, 46.5156



8.7139, 9.6200, 10.7528



16.2155, 24.7122, 29.2016



0.5185, 0.7809, 0.9625

Inverse Universe

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



32.0291, 29.4484, 29.1971



54.4971, 48.4987, 46.7499



34.3172, 34.3773, 28.8725



8.5220, 8.5155, 8.9814



13.2019, 6.7983, 0.9571



0.4241, 0.2174, 0.0760

Previews

White Background



This preview shows how the XYZ color 33.8434, 39.9035, 45.9628 looks on a white background.

Color Contrast Check

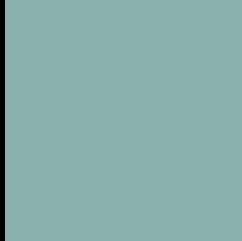
Large Text (above 18pt) WCAG AA × Fail

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 33.8434, 39.9035, 45.9628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

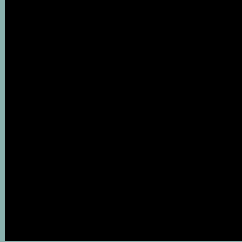
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8434, 39.9035, 45.9628

Background



This preview shows how black text looks on a background with the XYZ color 33.8434, 39.9035, 45.9628.



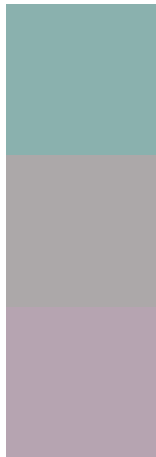
This preview shows how white text looks on a background with the XYZ color 33.8434, 39.9035,

45.9628.

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

33.8434, 39.9035, 45.9628

Protanopia

38.1773, 39.6405, 43.1753

Deuteranopia

40.5027, 39.6703, 47.1174



Tritanopia

35.4998, 39.9968, 53.9932

Trichromacy



Original Color

33.8434, 39.9035, 45.9628

Protanomaly

36.4108, 39.5397, 44.2409

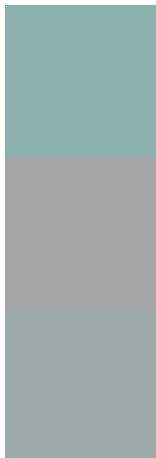
Deuteranomaly

37.7503, 39.6175, 46.7316

Tritanomaly

34.9923, 40.0868, 51.2406

Monochromacy



Original Color

33.8434, 39.9035, 45.9628

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.7734, 38.1716, 42.5809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8434, 39.9035, 45.9628 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(138, 177, 174)` looks like.

```
.text, #text, p{  
    color:rgb(138, 177, 174)  
}
```

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(138, 177, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 177, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.8434, 39.9035, 45.9628 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(138, 177, 174) }
```


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

```
.border{ border-color:rgb(138, 177, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 177, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 177, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 177, 174);  
box-shadow:4px 4px 4px 4px rgb(138, 177,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8434, 39.9035, 45.9628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 177, 174) }
```

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

```
.background{ background-color: rgb(138,  
177, 174) }
```

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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