

Converting Colors

XYZ(33.1748, 39.8940, 43.9911)

Have a look what the booklet for
XYZ(33.1748, 39.8940, 43.9911)
contains.

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Color

**XYZ(33.1678, 39.8940,
43.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	87B2AA
RGB	135, 178, 170
RGB Percent	53%, 70%, 67%
CMY	0.4706, 0.3019, 0.3333
CMYK	0.24, 0.00, 0.04, 0.30
HSL	169°, 22%, 61%
HSV	169°, 24%, 70%
XYZ	33.1678, 39.8940, 43.9824
YIQ	164.2310, -23.0600, -11.6040

Conversions

Conversions Part 2

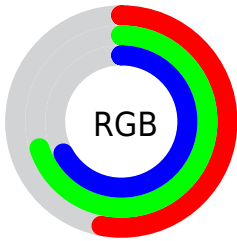
Format	Color
RYB	135, 159, 178
Decimal	8893098
CIELab	69.39, -16.06, -0.61
CIElCh	69, 16.073, 182.185
Yxy	39.8940, 0.2834, 0.3408
Android (android.graphics.Color)	4287083178 (0xFF87B2AA)
YUV	164.2310, 2.8441, -25.6356
Hunter-Lab	63.1617, -16.7981, 2.9268

Details

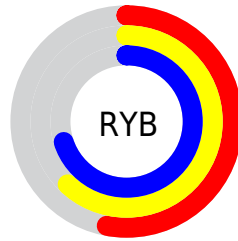
The XYZ color **33.1678, 39.8940, 43.9824** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.9834, 28.7772, 29.8572**, and the grayscale version is **35.3923, 37.2354, 40.5494**.

A 20% lighter version of the original color is **63.9997, 75.1007, 82.3569**, and **14.2598, 17.8601, 19.8353** is the 20% darker color. If you saturate the color by 10%, you get **30.2307, 38.4167, 42.2304**, and if you desaturate by 10%, it is **36.5940, 41.6246, 45.8002**.

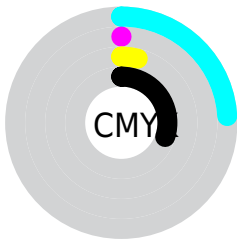
Distribution



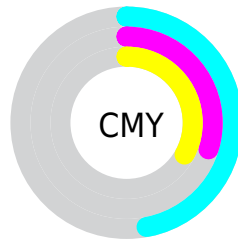
- Red (53%)
- Green (70%)
- Blue (67%)



- Red (53%)
- Yellow (62%)
- Blue (70%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)



- Cyan (47%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1678, 39.8940, 43.9824 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 33.1678, 39.8940, 43.9824 by changing the saturation by 10% instead.

■ 33.1678, 39.8940,
43.9824

■ 33.1678, 39.8940,
43.9824

308.0568,
345.6766, 378.6757

■ 22.4149, 27.4559,
30.3196

■ 63.9903, 75.0021,
82.4935

■ 14.2804, 17.9159,
19.8272

■ 84.7907, 98.4408,
108.1788

■ 8.3989, 10.8896,
12.0867

■ 109.6708,
126.3153, 138.7087

■ 4.4052, 5.9927,
6.6795

138.9962,
159.0098, 174.5017

■ 1.9338, 2.8406,
3.1871

173.1321,
196.9088, 215.9763

■ 0.5964, 1.0491,
1.1909

212.4440,

■ 0.0000, 0.0000,

240.3967, 263.5512

0.0000

257.2971,
289.8578, 317.6448

■ 33.1678, 39.8940,
43.9824

■ 33.1678, 39.8940,
43.9824

■ 30.2307, 38.4167,
42.2304

■ 36.5940, 41.6246,
45.8002

■ 27.7553, 37.1754,
40.5401

■ 40.5279, 43.6151,
47.6825

■ 25.7169, 36.1585,
38.9108

■ 44.9916, 45.8777,
49.6314

■ 24.0871, 35.3514,
37.3410

■ 50.0047, 48.4226,
51.6481

■ 22.8339, 34.7375,
35.8288

■ 55.5858, 51.2594,
53.7337

■ 21.9207, 34.2980,
34.3723

■ 61.7527, 54.3972,
55.8895

■ 21.3032, 34.0101,
32.9689

■ 66.8079, 56.9609,
58.0361

■ 21.0226, 33.8828,
32.1709

■ 67.1821, 57.1106,
60.0070

■ 67.5647, 57.2637,
62.0217

Harmonies

Analogous

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



33.6922, 39.8940, 37.1321



33.1678, 39.8940, 43.9824



33.8675, 39.8940, 51.4645

Triad

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



33.1678, 39.8940, 43.9824



40.6259, 39.8940, 56.6244



40.2834, 39.8940, 32.0313

Complementary

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



33.1678, 39.8940, 43.9824



31.9834, 28.7772, 29.8572

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.



42.2793, 39.8940, 36.2923



33.1678, 39.8940, 43.9824



42.4833, 39.8940, 50.4198

Square

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



33.1678, 39.8940, 43.9824



38.1077, 39.8940, 59.2606



43.1015, 39.8940, 42.8977



37.7290, 39.8940, 30.7165

Rectangle

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



33.1678, 39.8940, 43.9824



34.9533, 39.8940, 55.6733



43.1015, 39.8940, 42.8977



41.0458, 39.8940, 33.1407

Sweetspot

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



33.1689, 39.8956, 43.9833



71.2791, 77.9695, 85.4415



31.7267, 39.4851, 28.8716



15.6969, 17.2261, 18.8849



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.1689, 39.8956, 43.9833



57.1926, 70.8568, 78.0445



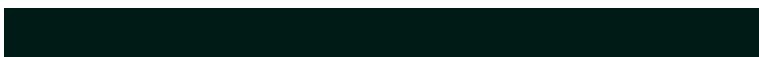
31.5020, 35.3131, 47.2772



8.6735, 9.6039, 10.5401



15.0628, 24.2511, 23.1312



0.4915, 0.7701, 0.8203

Inverse Universe

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



31.9834, 28.7772, 29.8572



54.6696, 47.1718, 47.9644



33.3089, 32.3640, 27.4137



8.5588, 8.5302, 9.1752



13.3522, 6.8584, 1.7485



0.4393, 0.2235, 0.1562

Previews

White Background



This preview shows how the XYZ color 33.1678, 39.8940, 43.9824 looks on a white background.

Color Contrast Check

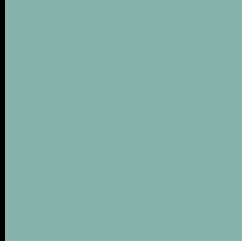
Large Text (above 18pt) WCAG AA × Fail

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 33.1678, 39.8940, 43.9824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

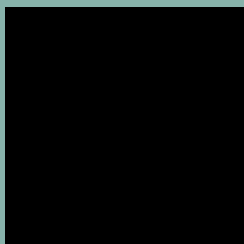
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

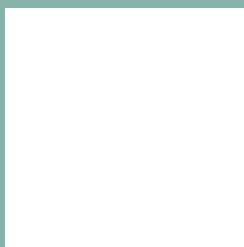
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1678, 39.8940, 43.9824

Background



This preview shows how black text looks on a background with the XYZ color 33.1678, 39.8940, 43.9824.



This preview shows how white text looks on a background with the XYZ color 33.1678, 39.8940,

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

33.1678, 39.8940, 43.9824

Protanopia

37.9371, 39.5698, 40.7602

Deuteranopia

40.3467, 39.6353, 45.0590



Tritanopia

35.1627, 39.8230, 53.9775

Trichromacy



Original Color

33.1678, 39.8940, 43.9824

Protanomaly

35.9335, 39.6291, 41.8317

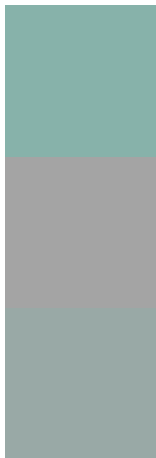
Deuteranomaly

37.3602, 39.4615, 44.6775

Tritanomaly

34.4501, 39.8313, 50.1285

Monochromacy



Original Color

33.1678, 39.8940, 43.9824

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2078, 37.9014, 41.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1678, 39.8940, 43.9824 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(135, 178, 170)` looks like.

```
.text, #text, p{  
    color:rgb(135, 178, 170)  
}
```

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(135, 178, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 178, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.1678, 39.8940, 43.9824 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(135, 178, 170) }
```


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

```
.border{ border-color:rgb(135, 178, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 178, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 178, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 178, 170);  
box-shadow:4px 4px 4px 4px rgb(135, 178,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1678, 39.8940, 43.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 178, 170) }
```

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

```
.background{ background-color: rgb(135,  
178, 170) }
```

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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