

Converting Colors

XYZ(34.0663, 39.7473, 52.1309)

Have a look what the booklet for
XYZ(34.0663, 39.7473, 52.1309)
contains.

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Color

**XYZ(34.2579, 39.9760,
52.3649)**

Conversions

Conversions Part 1

Format	Color
Hex	85B1BA
RGB	133, 177, 186
RGB Percent	52%, 69%, 73%
CMY	0.4784, 0.3059, 0.2706
CMYK	0.28, 0.05, 0.00, 0.27
HSL	190°, 28%, 63%
HSV	190°, 28%, 73%
XYZ	34.2579, 39.9760, 52.3649
YIQ	164.8700, -29.1130, -6.5290

Conversions

Conversions Part 2

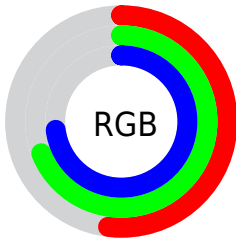
Format	Color
RYB	133, 157, 186
Decimal	8761786
CIELab	69.45, -12.50, -9.36
CIELCh	69, 15.617, 216.841
Yxy	39.9760, 0.2706, 0.3158
Android (android.graphics.Color)	4286951866 (0xFF85B1BA)
YUV	164.8700, 10.4171, -27.9500
Hunter-Lab	63.2266, -13.9303, -4.8460

Details

The XYZ color **34.2579, 39.9760, 52.3649** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.1568, 31.4787, 26.4668**, and the grayscale version is **35.6645, 37.5218, 40.8612**.

A 20% lighter version of the original color is **65.6594, 75.2534, 95.0691**, and **14.8346, 17.8581, 24.8554** is the 20% darker color. If you saturate the color by 10%, you get **30.9612, 37.3622, 52.0348**, and if you desaturate by 10%, it is **38.0915, 42.8900, 52.7260**.

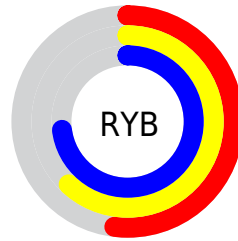
Distribution



Red (52%)

Green (69%)

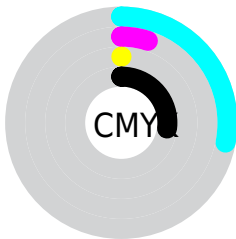
Blue (73%)



Red (52%)

Yellow (62%)

Blue (73%)

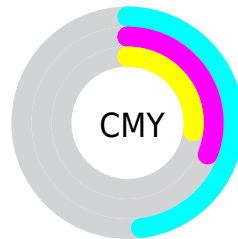


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (31%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2579, 39.9760, 52.3649 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 34.2579, 39.9760, 52.3649 by changing the saturation by 10% instead.

■ 34.2579, 39.9760,
52.3649

■ 34.2579, 39.9760,
52.3649

312.8462,
346.0224, 412.8407

■ 23.2556, 27.5198,
36.9118

■ 65.6762, 75.1270,
95.1012

■ 14.9041, 17.9640,
24.8439

■ 86.8228, 98.5906,
123.2215

■ 8.8380, 10.9242,
15.7429

■ 112.0817,
126.4921, 156.4012

■ 4.6919, 6.0159,
9.1900

141.8181,
159.2159, 195.0590

■ 2.1005, 2.8547,
4.7668

176.3974,
197.1465, 239.6132

■ 0.6895, 1.0564,
2.0548

216.1850,

■ 0.0000, 0.0000,

240.6681, 290.4826

0.5886

261.5461,
290.1653, 348.0855

■ 0.0000, 0.0000,
0.0000

■ 34.2579, 39.9760,
52.3649

■ 34.2579, 39.9760,
52.3649

■ 30.9612, 37.3622,
52.0348

■ 38.0915, 42.8900,
52.7260

■ 28.1701, 35.0294,
51.7316

■ 42.4838, 46.1126,
53.1165

■ 25.8560, 32.9635,
51.4549

■ 47.4599, 49.6578,
53.5385

■ 23.9854, 31.1473,
51.2029

■ 53.0422, 53.5375,
53.9932

■ 22.5206, 29.5612,
50.9739

■ 59.2520, 57.7626,
54.4814

■ 21.4175, 28.1822,
50.7659

■ 66.1095, 62.3436,
55.0042

■ 20.6027, 26.9725,
50.5753

■ 70.5513, 65.7017,
55.4182

■ 20.4887, 26.7965,
50.5474

■ 71.2859, 67.1710,
55.6631

■ 72.0358, 68.6706,
55.9131

Harmonies

Analogous

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



33.3966, 39.9760, 45.1967



34.2579, 39.9760, 52.3649



36.1268, 39.9760, 57.5335

Triad

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



34.2579, 39.9760, 52.3649



42.6150, 39.9760, 49.2007



37.4232, 39.9760, 31.1799

Complementary

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



34.2579, 39.9760, 52.3649



34.1568, 31.4787, 26.4668

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.



39.9286, 39.9760, 32.0011



34.2579, 39.9760, 52.3649



42.9994, 39.9760, 41.8991

Square

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



34.2579, 39.9760, 52.3649



40.9681, 39.9760, 55.5706



41.9966, 39.9760, 35.7442



35.1712, 39.9760, 33.3630

Rectangle

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



34.2579, 39.9760, 52.3649



37.7303, 39.9760, 58.8616



41.9966, 39.9760, 35.7442



38.2629, 39.9760, 31.1179

Sweetspot

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



34.2591, 39.9776, 52.3658



76.4499, 83.1804, 96.2275



32.1025, 42.0531, 31.9515



16.5667, 18.1227, 21.1674



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.2591, 39.9776, 52.3658



58.3557, 69.5213, 94.5447



29.5496, 30.5586, 50.7960



9.1334, 9.9441, 11.5175



13.8317, 18.1231, 34.0222



0.5223, 0.7084, 1.2109

Inverse Universe

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



36.5740, 30.3894, 45.5349



63.2954, 49.6395, 79.8385



38.5483, 40.2618, 27.9307



9.3137, 9.1359, 10.9994



17.5953, 8.6119, 21.5534



0.6378, 0.3106, 0.8522

Previews

White Background



This preview shows how the XYZ color 34.2579, 39.9760, 52.3649 looks on a white background.

Color Contrast Check

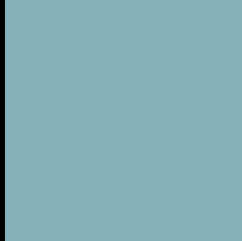
Large Text (above 18pt) WCAG AA × Fail

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 34.2579, 39.9760, 52.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

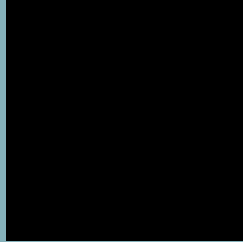
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2579, 39.9760, 52.3649

Background



This preview shows how black text looks on a background with the XYZ color 34.2579, 39.9760, 52.3649.

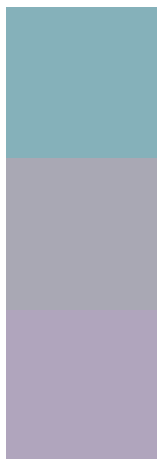


This preview shows how white text looks on a background with the XYZ color 34.2579, 39.9760,

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

34.2579, 39.9760, 52.3649

Protanopia

38.6030, 39.7356, 48.8151

Deuteranopia

40.5449, 39.8145, 53.6921



Tritanopia

34.6511, 39.8367, 54.5781

Trichromacy



Original Color

34.2579, 39.9760, 52.3649

Protanomaly

36.7167, 39.5711, 49.9588

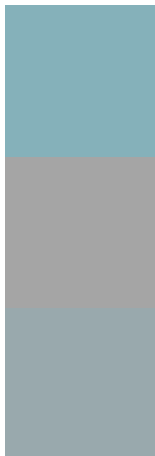
Deuteranomaly

37.7623, 39.4804, 53.2071

Tritanomaly

34.5422, 39.7931, 54.0044

Monochromacy



Original Color

34.2579, 39.9760, 52.3649

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.8677, 38.1654, 45.0641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2579, 39.9760, 52.3649 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(133, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(133, 177, 186)  
}
```

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(133, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 177, 186) }
```

Border

The CSS property to change the border of an element to XYZ 34.2579, 39.9760, 52.3649 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(133, 177, 186) }
```


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

```
.border{ border-color:rgb(133, 177, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 177, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 177, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 177, 186);  
box-shadow:4px 4px 4px 4px rgb(133, 177,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2579, 39.9760, 52.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 177, 186) }
```

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

```
.background{ background-color: rgb(133,  
177, 186) }
```

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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