

Converting Colors

XYZ(33.9661, 38.2767, 55.0325)

Have a look what the booklet for
XYZ(33.9661, 38.2767, 55.0325)
contains.

XYZ(33.9880, 38.3350, 54.8982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.9880, 38.3350,
54.8982)**

Conversions

Conversions Part 1

Format	Color
Hex	86ACBF
RGB	134, 172, 191
RGB Percent	53%, 67%, 75%
CMY	0.4745, 0.3255, 0.2510
CMYK	0.30, 0.10, 0.00, 0.25
HSL	200°, 31%, 64%
HSV	200°, 30%, 75%
XYZ	33.9880, 38.3350, 54.8982
YIQ	162.8040, -28.7470, -2.1470

Conversions

Conversions Part 2

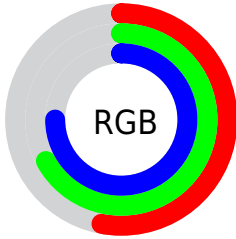
Format	Color
RYB	134, 157, 191
Decimal	8826047
CIELab	68.27, -8.32, -13.90
CIELCh	68, 16.198, 239.074
Yxy	38.3350, 0.2672, 0.3013
Android (android.graphics.Color)	4287016127 (0xFF86ACBF)
YUV	162.8040, 13.9006, -25.2611
Hunter-Lab	61.9153, -10.3652, -9.2298

Details

The XYZ color **33.9880, 38.3350, 54.8982** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.1806, 35.5803, 27.4632**, and the grayscale version is **34.6675, 36.4729, 39.7190**.

A 20% lighter version of the original color is **64.9966, 72.3449, 98.5340**, and **14.7836, 17.0618, 26.5588** is the 20% darker color. If you saturate the color by 10%, you get **30.0319, 34.5406, 54.3750**, and if you desaturate by 10%, it is **38.5543, 42.5320, 55.4683**.

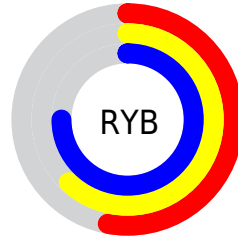
Distribution



Red (53%)

Green (67%)

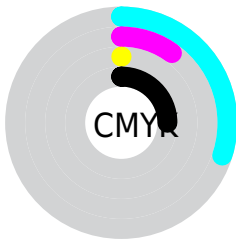
Blue (75%)



Red (53%)

Yellow (62%)

Blue (75%)

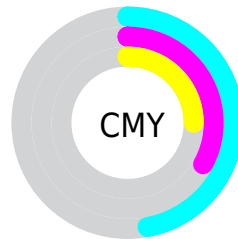


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (33%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9880, 38.3350, 54.8982 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 33.9880, 38.3350, 54.8982 by changing the saturation by 10% instead.

■ 33.9880, 38.3350,
54.8982

■ 33.9880, 38.3350,
54.8982

311.6654,
339.0549, 422.7970

■ 23.0472, 26.2428,
38.9222

■ 65.2594, 72.6213,
98.8614

■ 14.7493, 17.0054,
26.3918

■ 86.3208, 95.5842,
127.6857

■ 8.7288, 10.2383,
16.8886

■ 111.4864,
122.9395, 161.6299

■ 4.6204, 5.5573,
9.9940

141.1216,
155.0715, 201.1124

■ 2.0587, 2.5778,
5.2894

175.5917,
192.3646, 246.5518

■ 0.6666, 0.9155,
2.3564

215.2622,

■ 0.0000, 0.0000,

235.2033, 298.3667

0.7625

260.4983,
283.9719, 356.9756

■ 0.0000, 0.0000,
0.0000

■ 33.9880, 38.3350,
54.8982

■ 33.9880, 38.3350,
54.8982

■ 30.0319, 34.5406,
54.3750

■ 38.5543, 42.5320,
55.4683

■ 26.6520, 31.1274,
53.8943

■ 43.7555, 47.1426,
56.0841

■ 23.8164, 28.0785,
53.4553

■ 49.6191, 52.1832,
56.7480

■ 21.4882, 25.3737,
53.0559

■ 56.1699, 57.6677,
57.4613

■ 19.6255, 22.9901,
52.6940

■ 63.4313, 63.6092,
58.2254

■ 18.1790, 20.9011,
52.3670

■ 71.4256, 70.0204,
59.0416

■ 17.0543, 19.0565,
52.0702

■ 75.3452, 74.4238,
59.6849

■ 17.0375, 19.0285,
52.0657

■ 77.0136, 77.7606,
60.2411

■ 78.7459, 81.2253,
60.8185

Harmonies

Analogous

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



32.3397, 38.3350, 48.8986



33.9880, 38.3350, 54.8982



36.3576, 38.3350, 57.3131

Triad

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



33.9880, 38.3350, 54.8982



41.5309, 38.3350, 41.9663



34.1184, 38.3350, 30.6890

Complementary

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



33.9880, 38.3350, 54.8982



37.1806, 35.5803, 27.4632

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.



36.5151, 38.3350, 29.2796



33.9880, 38.3350, 54.8982



40.8649, 38.3350, 35.3171

Square

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



33.9880, 38.3350, 54.8982



40.7800, 38.3350, 49.3341



38.9994, 38.3350, 30.8731



32.4125, 38.3350, 34.9687

Rectangle

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



33.9880, 38.3350, 54.8982



38.0526, 38.3350, 56.3737



38.9994, 38.3350, 30.8731



34.8664, 38.3350, 29.8874

Sweetspot

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



33.9892, 38.3365, 54.8991



79.0611, 85.0379, 100.5261



34.1347, 44.5993, 36.5375



17.0408, 18.3941, 22.0376



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.9892, 38.3365, 54.8991



55.9892, 64.0093, 97.6832



29.2779, 28.9139, 53.3287



9.5334, 10.2591, 12.1499



11.2731, 12.6580, 34.2420



0.4994, 0.6114, 1.3606

Inverse Universe

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



37.4583, 31.1061, 43.0613



63.3720, 49.4402, 72.3070



42.2221, 45.6634, 29.1437



9.7911, 9.6407, 11.2888



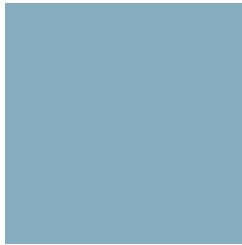
16.6909, 8.3075, 14.1979



0.6830, 0.3371, 0.7098

Previews

White Background



This preview shows how the XYZ color 33.9880, 38.3350, 54.8982 looks on a white background.

Color Contrast Check

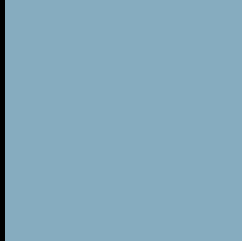
Large Text (above 18pt) WCAG AA × Fail

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 33.9880, 38.3350, 54.8982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

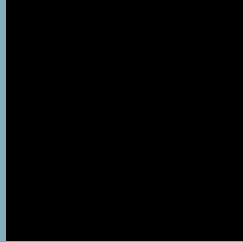
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9880, 38.3350, 54.8982

Background



This preview shows how black text looks on a background with the XYZ color 33.9880, 38.3350, 54.8982.



This preview shows how white text looks on a background with the XYZ color 33.9880, 38.3350,

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

33.9880, 38.3350, 54.8982

Protanopia

37.4223, 38.2420, 51.8634

Deuteranopia

38.9082, 38.1259, 55.7604



Tritanopia

33.5861, 38.4615, 52.6674

Trichromacy



Original Color

33.9880, 38.3350, 54.8982

Protanomaly

36.0286, 38.3115, 53.0729

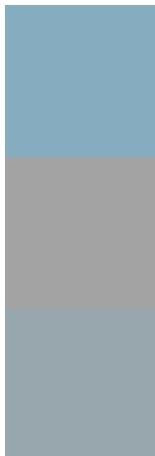
Deuteranomaly

36.8609, 38.1461, 55.2893

Tritanomaly

33.6935, 38.5045, 53.2332

Monochromacy



Original Color

33.9880, 38.3350, 54.8982

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1279, 36.9650, 44.8714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9880, 38.3350, 54.8982 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(134, 172, 191)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 191)  
}
```

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(134, 172, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.9880, 38.3350, 54.8982 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(134, 172, 191) }
```


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

```
.border{ border-color:rgb(134, 172, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 191);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9880, 38.3350, 54.8982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 191) }
```

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

```
.background{ background-color: rgb(134,  
172, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor