

Converting Colors

XYZ(33.8708, 38.6721, 54.1231)

Have a look what the booklet for
XYZ(33.8708, 38.6721, 54.1231)
contains.

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Color

**XYZ(33.9107, 38.5914,
54.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	85ADBE
RGB	133, 173, 190
RGB Percent	52%, 68%, 75%
CMY	0.4784, 0.3216, 0.2549
CMYK	0.30, 0.09, 0.00, 0.25
HSL	198°, 30%, 63%
HSV	198°, 30%, 75%
XYZ	33.9107, 38.5914, 54.3768
YIQ	162.9780, -29.2970, -3.1930

Conversions

Conversions Part 2

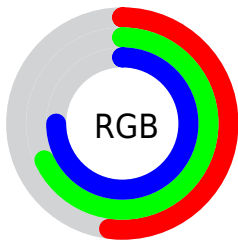
Format	Color
RYB	133, 157, 190
Decimal	8760766
CIELab	68.45, -9.40, -13.07
CIELCh	68, 16.097, 234.263
Yxy	38.5914, 0.2673, 0.3042
Android (android.graphics.Color)	4286950846 (0xFF85ADBE)
YUV	162.9780, 13.3218, -26.2907
Hunter-Lab	62.1220, -11.2752, -8.4125

Details

The XYZ color **33.9107, 38.5914, 54.3768** is a light color, and the websafe version is hex **669999**. A complement of this color would be **36.3757, 34.4536, 26.9242**, and the grayscale version is **34.7523, 36.5622, 39.8162**.

A 20% lighter version of the original color is **64.8715, 72.7054, 97.8032**, and **14.7461, 17.2302, 26.2155** is the 20% darker color. If you saturate the color by 10%, you get **30.1147, 35.0565, 53.8952**, and if you desaturate by 10%, it is **38.2977, 42.5013, 54.9009**.

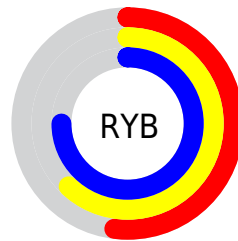
Distribution



Red (52%)

Green (68%)

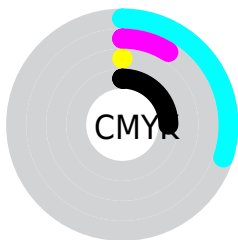
Blue (75%)



Red (52%)

Yellow (62%)

Blue (75%)

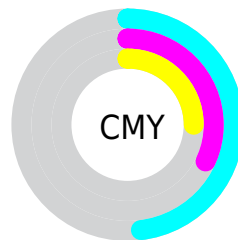


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (48%)

Magenta (32%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9107, 38.5914, 54.3768 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 33.9107, 38.5914, 54.3768 by changing the saturation by 10% instead.

■ 33.9107, 38.5914,
54.3768

■ 33.9107, 38.5914,
54.3768

311.3266,
340.1502, 420.7604

■ 22.9876, 26.4420,
38.5078

■ 65.1400, 73.0137,
98.0892

■ 14.7050, 17.1546,
26.0721

■ 86.1769, 96.0554,
126.7697

■ 8.6976, 10.3448,
16.6514

■ 111.3157,
123.4967, 160.5578

■ 4.6000, 5.6282,
9.8269

140.9218,
155.7219, 199.8719

■ 2.0468, 2.6203,
5.1802

175.3606,
193.1154, 245.1307

■ 0.6601, 0.9369,
2.2928

214.9975,

■ 0.0000, 0.0000,

236.0617, 296.7527

0.7272

260.1977,
284.9452, 355.1564

■ 0.0000, 0.0000,
0.0000

■ 33.9107, 38.5914,
54.3768

■ 33.9107, 38.5914,
54.3768

■ 30.1147, 35.0565,
53.8952

■ 38.2977, 42.5013,
54.9009

■ 26.8764, 31.8757,
53.4519

■ 43.2999, 46.7966,
55.4663

■ 24.1644, 29.0330,
53.0462

■ 48.9441, 51.4929,
56.0753

■ 21.9424, 26.5087,
52.6761

■ 55.2548, 56.6036,
56.7292

■ 20.1693, 24.2808,
52.3395

■ 62.2549, 62.1414,
57.4292

■ 18.7966, 22.3234,
52.0340

■ 69.9661, 68.1181,
58.1764

■ 17.7287, 20.5863,
51.7550

■ 74.2447, 72.3984,
58.7770

■ 17.7286, 20.5861,
51.7550

■ 75.6920, 75.2930,
59.2595

■ 77.1896, 78.2881,
59.7586

Harmonies

Analogous

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



32.4202, 38.5914, 48.0103



33.9107, 38.5914, 54.3768



36.1957, 38.5914, 57.4667

Triad

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



33.9107, 38.5914, 54.3768



41.7378, 38.5914, 43.4279



34.7165, 38.5914, 30.5521

Complementary

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



33.9107, 38.5914, 54.3768



36.3757, 34.4536, 26.9242

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.



37.1685, 38.5914, 29.6227



33.9107, 38.5914, 54.3768



41.2974, 38.5914, 36.5490

Square

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



33.9107, 38.5914, 54.3768



40.7732, 38.5914, 50.6957



39.5960, 38.5914, 31.6923



32.8703, 38.5914, 34.3943

Rectangle

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



33.9107, 38.5914, 54.3768



37.8920, 38.5914, 57.0245



39.5960, 38.5914, 31.6923



35.4941, 38.5914, 29.9086

Sweetspot

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



33.9119, 38.5929, 54.3777



79.2914, 85.4986, 100.6029



33.5240, 43.9890, 35.2213



17.0992, 18.5108, 22.0570



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.



33.9119, 38.5929, 54.3777



56.8054, 65.6418, 97.9553



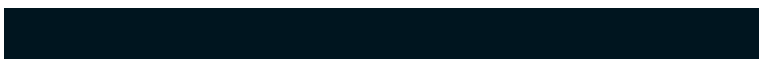
29.1470, 29.0631, 52.7894



9.5618, 10.3160, 12.1594



11.8594, 13.8305, 34.4374



0.5191, 0.6508, 1.3671

Inverse Universe

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



37.1665, 30.7403, 43.5115



63.7840, 49.6050, 74.4766



41.3204, 44.3431, 28.5725



9.8054, 9.6465, 11.3644



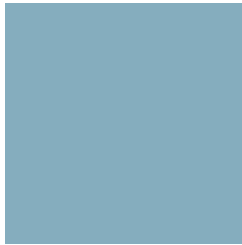
16.9868, 8.4259, 15.7562



0.6929, 0.3411, 0.7621

Previews

White Background



This preview shows how the XYZ color 33.9107, 38.5914, 54.3768 looks on a white background.

Color Contrast Check

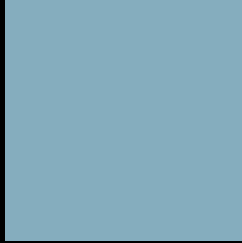
Large Text (above 18pt) WCAG AA × Fail

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 33.9107, 38.5914, 54.3768 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

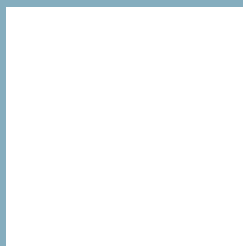
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9107, 38.5914, 54.3768

Background



This preview shows how black text looks on a background with the XYZ color 33.9107, 38.5914, 54.3768.



This preview shows how white text looks on a background with the XYZ color 33.9107, 38.5914,

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

33.9107, 38.5914, 54.3768

Protanopia

37.5219, 38.3056, 51.3150

Deuteranopia

39.0123, 38.1925, 55.1849



Tritanopia

33.4289, 38.3805, 52.6600

Trichromacy



Original Color

33.9107, 38.5914, 54.3768

Protanomaly

36.1091, 38.3654, 52.5158

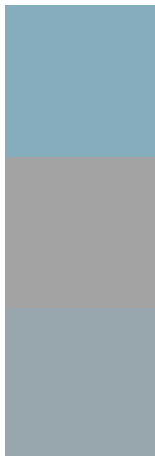
Deuteranomaly

36.9448, 38.2021, 54.7168

Tritanomaly

33.5364, 38.4235, 53.2259

Monochromacy



Original Color

33.9107, 38.5914, 54.3768

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3104, 37.3300, 44.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9107, 38.5914, 54.3768 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, 173, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 190)  
}
```

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, 173, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.9107, 38.5914, 54.3768 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, 173, 190) }
```


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

```
.border{ border-color:rgb(133, 173, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9107, 38.5914, 54.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 190) }
```

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

```
.background{ background-color: rgb(133,  
173, 190) }
```

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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