

Converting Colors

XYZ(33.2686, 38.7889, 53.7078)

Have a look what the booklet for
XYZ(33.2686, 38.7889, 53.7078)
contains.

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Color

**XYZ(33.4174, 38.9233,
53.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	80AFBD
RGB	128, 175, 189
RGB Percent	50%, 69%, 74%
CMY	0.4980, 0.3137, 0.2588
CMYK	0.32, 0.07, 0.00, 0.26
HSL	194°, 32%, 62%
HSV	194°, 32%, 74%
XYZ	33.4174, 38.9233, 53.8958
YIQ	162.5430, -32.5060, -5.6100

Conversions

Conversions Part 2

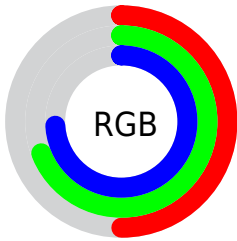
Format	Color
RYB	128, 155, 189
Decimal	8433597
CIELab	68.70, -12.17, -12.18
CIElCh	69, 17.219, 225.025
Yxy	38.9233, 0.2647, 0.3083
Android (android.graphics.Color)	4286623677 (0xFF80AFBD)
YUV	162.5430, 13.0433, -30.2942
Hunter-Lab	62.3885, -13.5693, -7.5471

Details

The XYZ color **33.4174, 38.9233, 53.8958** is a light color, and the websafe version is hex **669999**. A complement of this color would be **34.5561, 31.7238, 24.7250**, and the grayscale version is **34.5500, 36.3493, 39.5844**.

A 20% lighter version of the original color is **64.3487, 73.6895, 97.2182**, and **14.5074, 17.4800, 25.9019** is the 20% darker color. If you saturate the color by 10%, you get **30.0047, 35.9318, 53.4989**, and if you desaturate by 10%, it is **37.3891, 42.2451, 54.3283**.

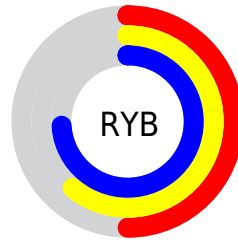
Distribution



Red (50%)

Green (69%)

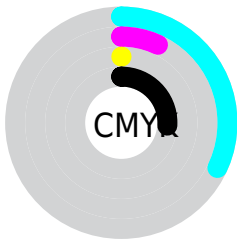
Blue (74%)



Red (50%)

Yellow (61%)

Blue (74%)

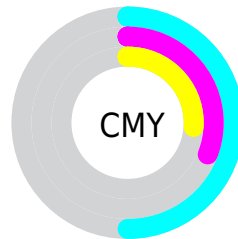


Cyan (32%)

Magenta (7%)

Yellow (0%)

Black (26%)



Cyan (50%)

Magenta (31%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4174, 38.9233, 53.8958 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 33.4174, 38.9233, 53.8958 by changing the saturation by 10% instead.

■ 33.4174, 38.9233,
53.8958

■ 33.4174, 38.9233,
53.8958

309.1582,
341.5643, 418.8759

■ 22.6072, 26.7001,
38.1258

■ 64.3770, 73.5211,
97.3761

■ 14.4228, 17.3481,
25.7777

■ 85.2570, 96.6645,
125.9234

■ 8.4990, 10.4830,
16.4331

■ 110.2244,
124.2167, 159.5669

■ 4.4703, 5.7203,
9.6735

139.6444,
156.5622, 198.7251

■ 1.9715, 2.6758,
5.0803

173.8824,
194.0853, 243.8166

■ 0.6179, 0.9649,
2.2349

213.3038,

■ 0.0000, 0.0000,

237.1704, 295.2599

0.6944

258.2740,
286.2019, 353.4734

■ 0.0000, 0.0000,
0.0000

■ 33.4174, 38.9233,
53.8958

■ 33.4174, 38.9233,
53.8958

■ 30.0047, 35.9318,
53.4989

■ 37.3891, 42.2451,
54.3283

■ 27.1177, 33.2502,
53.1335

■ 41.9437, 45.9071,
54.7951

■ 24.7251, 30.8630,
52.7988

■ 47.1079, 49.9244,
55.2983

■ 22.7904, 28.7510,
52.4931

■ 52.9057, 54.3096,
55.8392

■ 21.2721, 26.8924,
52.2144

■ 59.3598, 59.0749,
56.4188

■ 20.1204, 25.2611,
51.9602

■ 66.4918, 64.2317,
57.0383

■ 19.4073, 24.1179,
51.7771

■ 72.3438, 68.7710,
57.6060

■ 73.3982, 70.8798,
57.9575

■ 74.4816, 73.0465,
58.3186

Harmonies

Analogous

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



32.1664, 38.9233, 46.3874



33.4174, 38.9233, 53.8958



35.6591, 38.9233, 58.5763

Triad

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



33.4174, 38.9233, 53.8958



42.2864, 38.9233, 46.3741



35.6549, 38.9233, 29.4876

Complementary

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



33.4174, 38.9233, 53.8958



34.5561, 31.7238, 24.7250

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.



38.3647, 38.9233, 29.4850



33.4174, 38.9233, 53.8958



42.2851, 38.9233, 38.6119

Square

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



33.4174, 38.9233, 53.8958



40.8236, 38.9233, 53.8851



40.8202, 38.9233, 32.6353



33.4144, 38.9233, 32.6429

Rectangle

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



33.4174, 38.9233, 53.8958



37.4558, 38.9233, 59.1384



40.8202, 38.9233, 32.6353



36.5388, 38.9233, 29.1318

Sweetspot

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



33.4186, 38.9248, 53.8967



76.9830, 83.6858, 98.3217



31.9244, 42.9147, 31.8857



16.2874, 17.7858, 21.1171



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.



33.4186, 38.9248, 53.8967



55.2639, 65.7180, 95.9983



28.2571, 28.6018, 52.1762



9.6179, 10.4281, 12.1781



13.1175, 16.3468, 34.8568



0.5601, 0.7328, 1.3808

Inverse Universe

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



36.4443, 29.3533, 44.3041



61.6905, 46.2972, 75.4200



39.5820, 41.7755, 26.4003



9.8337, 9.6578, 11.5135



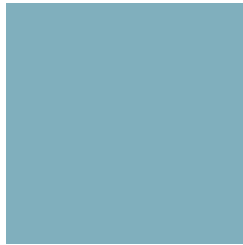
17.6219, 8.6799, 19.1003



0.7136, 0.3493, 0.8711

Previews

White Background



This preview shows how the XYZ color 33.4174, 38.9233, 53.8958 looks on a white background.

Color Contrast Check

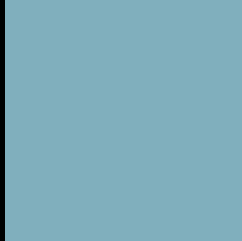
Large Text (above 18pt) WCAG AA × Fail

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 33.4174, 38.9233, 53.8958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

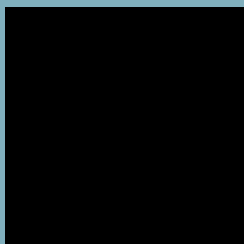
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

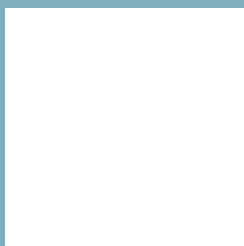
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4174, 38.9233, 53.8958

Background



This preview shows how black text looks on a background with the XYZ color 33.4174, 38.9233, 53.8958.



This preview shows how white text looks on a background with the XYZ color 33.4174, 38.9233,

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

33.4174, 38.9233, 53.8958

Protanopia

37.7005, 38.6907, 50.2808

Deuteranopia

39.6249, 38.7708, 55.2642



Tritanopia

33.4174, 38.9233, 53.8958

Trichromacy



Original Color

33.4174, 38.9233, 53.8958

Protanomaly

35.8938, 38.5541, 51.4488

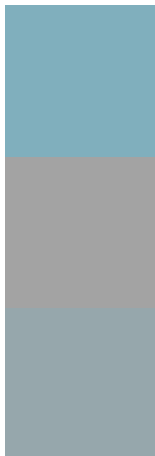
Deuteranomaly

36.9330, 38.4669, 54.7685

Tritanomaly

33.4174, 38.9233, 53.8958

Monochromacy



Original Color

33.4174, 38.9233, 53.8958

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8428, 37.1000, 44.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4174, 38.9233, 53.8958 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(128, 175, 189)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 189)  
}
```

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(128, 175, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.4174, 38.9233, 53.8958 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(128, 175, 189) }
```


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

```
.border{ border-color:rgb(128, 175, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 175, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 189);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4174, 38.9233, 53.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 189) }
```

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

```
.background{ background-color: rgb(128,  
175, 189) }
```

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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