

Converting Colors

XYZ(33.2945, 38.3544, 59.2804)

Have a look what the booklet for
XYZ(33.2945, 38.3544, 59.2804)
contains.

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Color

**XYZ(33.3551, 38.4869,
59.0968)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAEC6
RGB	122, 174, 198
RGB Percent	48%, 68%, 78%
CMY	0.5216, 0.3176, 0.2235
CMYK	0.38, 0.12, 0.00, 0.22
HSL	199°, 40%, 63%
HSV	199°, 38%, 78%
XYZ	33.3551, 38.4869, 59.0968
YIQ	161.1880, -38.6960, -3.5600

Conversions

Conversions Part 2

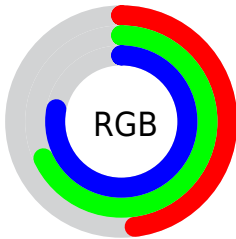
Format	Color
RYB	122, 153, 198
Decimal	8040134
CIELab	68.38, -11.02, -17.66
CIElCh	68, 20.818, 238.038
Yxy	38.4869, 0.2547, 0.2939
Android (android.graphics.Color)	4286230214 (0xFF7AAEC6)
YUV	161.1880, 18.1483, -34.3679
Hunter-Lab	62.0378, -12.5943, -13.0528

Details

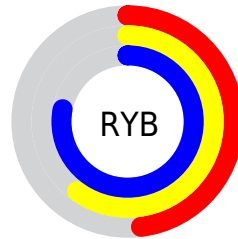
The XYZ color **33.3551, 38.4869, 59.0968** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.0811, 33.9692, 23.0157**, and the grayscale version is **33.8958, 35.6610, 38.8348**.

A 20% lighter version of the original color is **64.2008, 72.6057, 105.2383**, and **14.4478, 17.1979, 28.9436** is the 20% darker color. If you saturate the color by 10%, you get **29.6524, 34.8273, 58.5863**, and if you desaturate by 10%, it is **37.6876, 42.5564, 59.6546**.

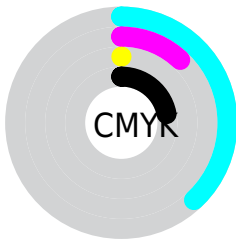
Distribution



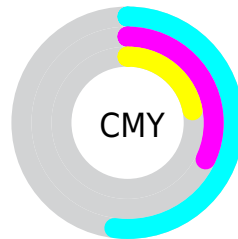
- Red (48%)
- Green (68%)
- Blue (78%)



- Red (48%)
- Yellow (60%)
- Blue (78%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (52%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3551, 38.4869, 59.0968 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 33.3551, 38.4869, 59.0968 by changing the saturation by 10% instead.

■ 33.3551, 38.4869,
59.0968

■ 33.3551, 38.4869,
59.0968

308.8836,
339.7041, 438.9724

■ 22.5591, 26.3608,
42.2705

■ 64.2805, 72.8538,
105.0488

■ 14.3872, 17.0938,
28.9860

■ 85.1407, 95.8634,
135.0117

■ 8.4740, 10.3014,
18.8248

■ 110.0863,
123.2697, 170.1905

■ 4.4540, 5.5992,
11.3682

139.4827,
155.4569, 211.0037

■ 1.9621, 2.6030,
6.1978

173.6953,
192.8096, 257.8700

■ 0.6125, 0.9281,
2.8950

213.0894,

■ 0.0000, 0.0000,

235.7121, 311.2079

1.0413

258.0304,
284.5488, 371.4358

■ 0.0000, 0.0000,
0.0000

■ 33.3551, 38.4869,
59.0968

■ 33.3551, 38.4869,
59.0968

■ 29.6524, 34.8273,
58.5863

■ 37.6876, 42.5564,
59.6546

■ 26.5402, 31.5536,
58.1184

■ 42.6791, 47.0493,
60.2588

■ 23.9802, 28.6458,
57.6921

■ 48.3609, 51.9838,
60.9117

■ 21.9277, 26.0796,
57.3049

■ 54.7616, 57.3755,
61.6151

■ 20.3303, 23.8269,
56.9543

■ 61.9077, 63.2393,
62.3703

■ 19.1065, 21.8444,
56.6361

■ 69.8247, 69.5893,
63.1787

■ 18.9240, 21.5390,
56.5868

■ 76.4448, 75.3604,
63.9437

■ 78.0946, 78.6601,
64.4937

■ 79.8062, 82.0834,
65.0642

Harmonies

Analogous

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



31.3116, 38.4869, 50.9438



33.3551, 38.4869, 59.0968



36.3660, 38.4869, 62.5796

Triad

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



33.3551, 38.4869, 59.0968



43.2247, 38.4869, 42.5247



33.7066, 38.4869, 27.9479

Complementary

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



33.3551, 38.4869, 59.0968



37.0811, 33.9692, 23.0157

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.



36.7961, 38.4869, 26.3747



33.3551, 38.4869, 59.0968



42.4100, 38.4869, 34.0053

Square

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



33.3551, 38.4869, 59.0968



42.1731, 38.4869, 52.1687



40.0077, 38.4869, 28.4207



31.5058, 38.4869, 33.0855

Rectangle

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



33.3551, 38.4869, 59.0968



38.5604, 38.4869, 61.4451



40.0077, 38.4869, 28.4207



34.6698, 38.4869, 27.0215

Sweetspot

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



33.3563, 38.4884, 59.0977



81.6692, 88.6405, 107.4126



33.3164, 46.5647, 33.9402



17.1932, 18.7235, 22.9578



0.0000, 0.0000, 0.0000



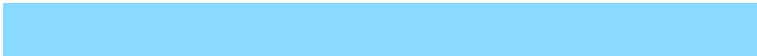
20.3446, 21.4041, 23.3091

Same Dimension

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



33.3563, 38.4884, 59.0977



53.5427, 62.7199, 103.8919



27.1941, 26.1640, 57.0436



10.6533, 11.4808, 13.5720



12.3862, 14.1664, 36.8259



0.6494, 0.7966, 1.7647

Inverse Universe

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



37.8892, 28.9818, 43.6431



62.9352, 44.4109, 71.5574



43.6946, 47.1963, 25.2202



10.9351, 10.7574, 12.6413



18.0513, 8.9701, 16.0120



0.8865, 0.4374, 0.9253

Previews

White Background



This preview shows how the XYZ color 33.3551, 38.4869, 59.0968 looks on a white background.

Color Contrast Check

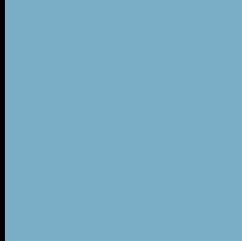
Large Text (above 18pt) WCAG AA × Fail

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 33.3551, 38.4869, 59.0968 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 33.3551, 38.4869, 59.0968

Background



This preview shows how black text looks on a background with the XYZ color 33.3551, 38.4869, 59.0968.



This preview shows how white text looks on a background with the XYZ color 33.3551, 38.4869,

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

33.3551, 38.4869, 59.0968

Protanopia

37.6675, 38.2931, 55.2752

Deuteranopia

38.8627, 38.0101, 59.9320



Tritanopia

32.3700, 38.3707, 54.4154

Trichromacy



Original Color

33.3551, 38.4869, 59.0968

Protanomaly

35.7729, 38.1033, 56.5082

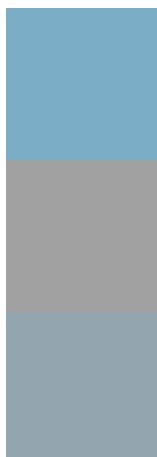
Deuteranomaly

36.3394, 37.7855, 59.4109

Tritanomaly

32.8408, 38.5751, 56.1669

Monochromacy



Original Color

33.3551, 38.4869, 59.0968

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3088, 36.5315, 45.3401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3551, 38.4869, 59.0968 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(122, 174, 198)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 198)  
}
```

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(122, 174, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.3551, 38.4869, 59.0968 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(122, 174, 198) }
```


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

```
.border{ border-color:rgb(122, 174, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 174, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 198);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3551, 38.4869, 59.0968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 198) }
```

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

```
.background{ background-color: rgb(122,  
174, 198) }
```

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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