

Converting Colors

XYZ(38.0295, 38.6795, 59.7634)

Have a look what the booklet for
XYZ(38.0295, 38.6795, 59.7634)
contains.

XYZ(38.0456, 38.6651, 59.4907)	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(38.0456, 38.6651,
59.4907)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA6C7
RGB	158, 166, 199
RGB Percent	62%, 65%, 78%
CMY	0.3804, 0.3490, 0.2196
CMYK	0.21, 0.17, 0.00, 0.22
HSL	228°, 27%, 70%
HSV	228°, 21%, 78%
XYZ	38.0456, 38.6651, 59.4907
YIQ	167.3700, -15.3610, 8.5670

Conversions

Conversions Part 2

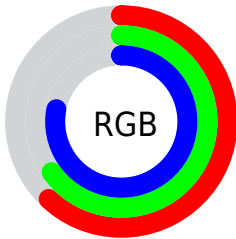
Format	Color
R _Y B	158, 165, 199
Decimal	10397383
CIE Lab	68.51, 4.23, -17.80
CIE LCh	69, 18.296, 283.372
Yxy	38.6651, 0.2793, 0.2839
Android (android.graphics.Color)	4288587463 (0xFF9EA6C7)
YUV	167.3700, 15.5936, -8.2175
Hunter-Lab	62.1813, 0.3980, -13.1977

Details

The XYZ color **38.0456, 38.6651, 59.4907** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.3559, 51.8724, 39.8125**, and the grayscale version is **36.8437, 38.7624, 42.2123**.

A 20% lighter version of the original color is **71.3470, 73.0790, 104.9530**, and **17.0720, 17.1431, 29.1972** is the 20% darker color. If you saturate the color by 10%, you get **31.7114, 31.3442, 58.4121**, and if you desaturate by 10%, it is **45.3787, 47.0411, 60.7216**.

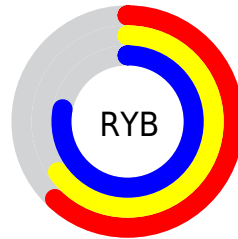
Distribution



Red (62%)

Green (65%)

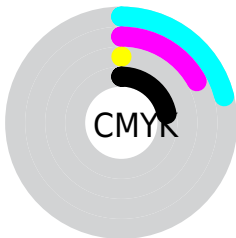
Blue (78%)



Red (62%)

Yellow (65%)

Blue (78%)

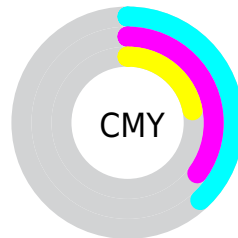


Cyan (21%)

Magenta (17%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0456, 38.6651, 59.4907 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 38.0456, 38.6651, 59.4907 by changing the saturation by 10% instead.

■ 38.0456, 38.6651,
59.4907

■ 38.0456, 38.6651,
59.4907

329.0930,
340.4645, 440.4704

■ 26.1955, 26.4993,
42.5856

■ 71.4815, 73.1264,
105.6266

■ 17.1034, 17.1975,
29.2312

■ 93.7979, 96.1907,
135.6946

■ 10.4040, 10.3754,
19.0087

120.3338,
123.6567, 170.9873

■ 5.7319, 5.6486,
11.4997

151.4546,
155.9086, 211.9232

■ 2.7219, 2.6326,
6.2856

187.5255,
193.3310, 258.9210

■ 1.0084, 0.9431,
2.9479

228.9120,

■ 0.0000, 0.0000,

236.3082, 312.3990

1.0681

275.9794,
285.2246, 372.7760

■ 0.0000, 0.0000,
0.0000

■ 38.0456, 38.6651,
59.4907

■ 38.0456, 38.6651,
59.4907

■ 31.7114, 31.3442,
58.4121

■ 45.3787, 47.0411,
60.7216

■ 26.3287, 25.0315,
57.4773

■ 53.7480, 56.5073,
62.1076

■ 21.8517, 19.6833,
56.6810

■ 63.1934, 67.1030,
63.6550

■ 18.2291, 15.2509,
56.0164

■ 73.7516, 78.8641,
65.3686

■ 15.4047, 11.6813,
55.4763

■ 84.5307, 91.3471,
67.2099

■ 13.3149, 8.9157,
55.0526

■ 87.3089, 96.9036,
68.1360

■ 11.8857, 6.8871,
54.7363

■ 11.0291, 5.5640,
54.5261

Harmonies

Analogous

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



35.1880, 38.6651, 59.1974



38.0456, 38.6651, 59.4907



40.6855, 38.6651, 54.7123

Triad

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



38.0456, 38.6651, 59.4907



40.9241, 38.6651, 32.1209



31.6953, 38.6651, 37.7225

Complementary

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



38.0456, 38.6651, 59.4907



48.3559, 51.8724, 39.8125

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.



33.0769, 38.6651, 31.5917



38.0456, 38.6651, 59.4907



38.3576, 38.6651, 28.6587

Square

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



38.0456, 38.6651, 59.4907



42.4050, 38.6651, 38.5375



35.4842, 38.6651, 28.4786



31.6215, 38.6651, 45.8749

Rectangle

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



38.0456, 38.6651, 59.4907



41.9258, 38.6651, 49.6154



35.4842, 38.6651, 28.4786



32.0187, 38.6651, 35.3841

Sweetspot

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



38.0468, 38.6667, 59.4916



85.8401, 89.6062, 107.3792



43.9068, 51.8695, 56.8733



18.1676, 18.9466, 22.9495



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.



38.0468, 38.6667, 59.4916



61.1184, 61.3681, 103.2317



39.1791, 37.1578, 59.1407



10.2215, 10.6170, 13.4281



7.1413, 3.6765, 35.0776



0.3895, 0.2768, 1.6780

Inverse Universe

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



42.6640, 39.3500, 41.4249



70.7875, 62.9756, 65.3576



47.0159, 53.8432, 40.2635



10.7171, 10.6702, 11.4934



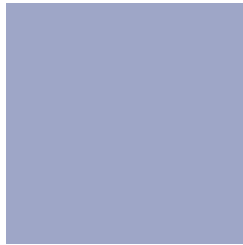
15.4039, 7.9111, 2.0710



0.7553, 0.3850, 0.2346

Previews

White Background



This preview shows how the XYZ color 38.0456, 38.6651, 59.4907 looks on a white background.

Color Contrast Check

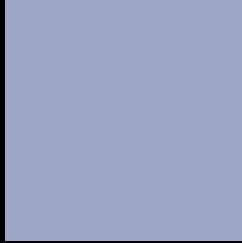
Large Text (above 18pt) WCAG AA × Fail

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 38.0456, 38.6651, 59.4907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

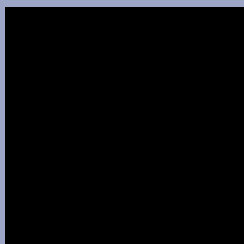
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0456, 38.6651, 59.4907

Background



This preview shows how black text looks on a background with the XYZ color 38.0456, 38.6651, 59.4907.



This preview shows how white text looks on a background with the XYZ color 38.0456, 38.6651,

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

38.0456, 38.6651, 59.4907

Protanopia

38.2611, 38.5074, 59.4489

Deuteranopia

39.4589, 38.5800, 60.0106



Tritanopia

36.1490, 38.7219, 49.8248

Trichromacy



Original Color

38.0456, 38.6651, 59.4907

Protanomaly

38.0620, 38.4047, 59.4396

Deuteranomaly

39.0106, 38.6136, 60.0407

Tritanomaly

36.7900, 38.7040, 53.1085

Monochromacy



Original Color

38.0456, 38.6651, 59.4907

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2652, 38.7846, 48.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0456, 38.6651, 59.4907 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(158, 166, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 199)  
}
```

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(158, 166, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.0456, 38.6651, 59.4907 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(158, 166, 199) }
```


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

```
.border{ border-color:rgb(158, 166, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0456, 38.6651, 59.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 199) }
```

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

```
.background{ background-color: rgb(158,  
166, 199) }
```

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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