

Converting Colors

XYZ(38.4439, 42.6745, 63.3379)

Have a look what the booklet for
XYZ(38.4439, 42.6745, 63.3379)
contains.

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Color

**XYZ(38.5480, 42.8418,
63.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	8FB4CC
RGB	143, 180, 204
RGB Percent	56%, 71%, 80%
CMY	0.4392, 0.2941, 0.2000
CMYK	0.30, 0.12, 0.00, 0.20
HSL	204°, 37%, 68%
HSV	204°, 30%, 80%
XYZ	38.5480, 42.8418, 63.3643
YIQ	171.6730, -29.7560, -0.3800

Conversions

Conversions Part 2

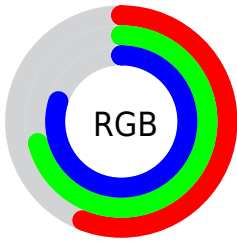
Format	Color
R_{YB}	143, 166, 204
Decimal	9417932
CIE Lab	71.45, -6.82, -16.21
CIE LCh	71, 17.584, 247.165
Yxy	42.8418, 0.2663, 0.2960
Android (android.graphics.Color)	4287608012 (0xFF8FB4CC)
YUV	171.6730, 15.9372, -25.1462
Hunter-Lab	65.4536, -9.4188, -11.5798

Details

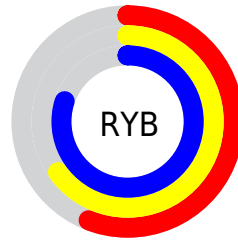
The XYZ color **38.5480, 42.8418, 63.3643** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6790, 42.4582, 31.8807**, and the grayscale version is **38.9814, 41.0114, 44.6615**.

A 20% lighter version of the original color is **71.3342, 79.2167, 106.1384**, and **17.4088, 19.6049, 31.7207** is the 20% darker color. If you saturate the color by 10%, you get **33.7591, 38.0380, 62.6902**, and if you desaturate by 10%, it is **44.0755, 48.1677, 64.1017**.

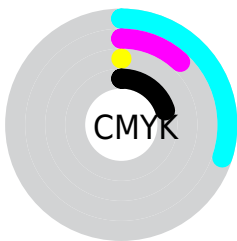
Distribution



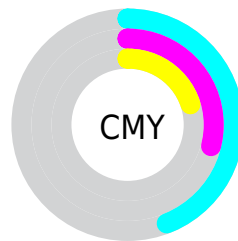
- Red (56%)
- Green (71%)
- Blue (80%)



- Red (56%)
- Yellow (65%)
- Blue (80%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (44%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5480, 42.8418, 63.3643 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 38.5480, 42.8418, 63.3643 by changing the saturation by 10% instead.

■ 38.5480, 42.8418,
63.3643

■ 38.5480, 42.8418,
63.3643

331.2053,
357.9608, 455.0347

■ 26.5874, 29.7610,
45.6931

■ 72.2458, 79.4721,
111.2856

■ 17.3986, 19.6573,
31.6568

■ 94.7137, 103.7904,
142.3727

■ 10.6161, 12.1462,
20.8368

121.4148,
132.6232, 178.7689

■ 5.8747, 6.8433,
12.8147

152.7145,
166.3551, 220.8927

■ 2.8090, 3.3643,
7.1719

188.9780,
205.3705, 269.1626

■ 1.0536, 1.3247,
3.4897

230.5707,

■ 0.0000, 0.1602,

250.0536, 323.9973

1.3498

277.8580,
300.7889, 385.8151

■ 0.0000, 0.0000,
0.1021

■ 0.0000, 0.0000,
0.0000

■ 38.5480, 42.8418,
63.3643

■ 38.5480, 42.8418,
63.3643

■ 33.7591, 38.0380,
62.6902

■ 44.0755, 48.1677,
64.1017

■ 29.6686, 33.7301,
62.0743

■ 50.3715, 54.0303,
64.9015

■ 26.2379, 29.8970,
61.5152

■ 57.4687, 60.4497,
65.7665

■ 23.4229, 26.5134,
61.0105

■ 65.3969, 67.4435,
66.6985

■ 21.1736, 23.5509,
60.5572

■ 74.1843, 75.0283,
67.6994

■ 19.4310, 20.9766,
60.1522

■ 79.9259, 81.1931,
68.5867

■ 18.0874, 18.7322,
59.7898

■ 82.1874, 85.7160,
69.3405

■ 18.0749, 18.7111,
59.7864

■ 84.5527, 90.4467,
70.1290

■ 87.0232, 95.3877,
70.9525

Harmonies

Analogous

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



36.3451, 42.8418, 57.2183



38.5480, 42.8418, 63.3643



41.4348, 42.8418, 64.7875

Triad

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



38.5480, 42.8418, 63.3643



46.6400, 42.8418, 44.6413



37.3732, 42.8418, 34.8124

Complementary

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



38.5480, 42.8418, 63.3643



43.6790, 42.4582, 31.8807

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.



40.0132, 42.8418, 32.2552



38.5480, 42.8418, 63.3643



45.4322, 42.8418, 37.4660

Square

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



38.5480, 42.8418, 63.3643



46.2012, 42.8418, 53.2724



42.9718, 42.8418, 33.1643



35.6902, 42.8418, 40.5958

Rectangle

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



38.5480, 42.8418, 63.3643



43.3775, 42.8418, 62.7273



42.9718, 42.8418, 33.1643



38.1730, 42.8418, 33.5811

Sweetspot

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



38.5493, 42.8435, 63.3653



84.2920, 90.2782, 107.5905



39.8396, 51.7935, 44.1594



17.6921, 19.0024, 22.9853



0.0000, 0.0000, 0.0000



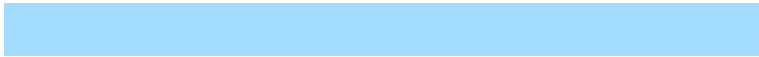
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5493, 42.8435, 63.3653



58.4967, 65.6306, 104.1926



33.1527, 32.0503, 61.5664



11.1584, 11.9573, 14.2902



11.4694, 11.9627, 37.6608



0.6643, 0.7624, 1.9671

Inverse Universe

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



42.9636, 35.7786, 47.8235



67.1438, 52.6339, 73.5589



49.8003, 54.7009, 33.9212



11.4933, 11.3261, 13.1325



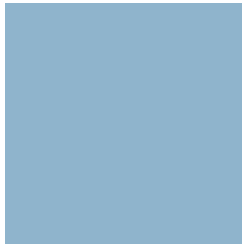
18.0001, 9.0106, 12.9851



0.9653, 0.4795, 0.8629

Previews

White Background



This preview shows how the XYZ color 38.5480, 42.8418, 63.3643 looks on a white background.

Color Contrast Check

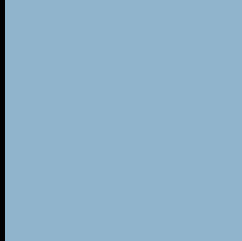
Large Text (above 18pt) WCAG AA × Fail

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 38.5480, 42.8418, 63.3643 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 38.5480, 42.8418, 63.3643

Background



This preview shows how black text looks on a background with the XYZ color 38.5480, 42.8418, 63.3643.



This preview shows how white text looks on a background with the XYZ color 38.5480, 42.8418,

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

38.5480, 42.8418, 63.3643

Protanopia

41.9465, 42.6033, 60.6560

Deuteranopia

43.4198, 42.4358, 64.2950



Tritanopia

37.4722, 42.6960, 58.4907

Trichromacy



Original Color

38.5480, 42.8418, 63.3643

Protanomaly

40.5652, 42.7413, 61.3702

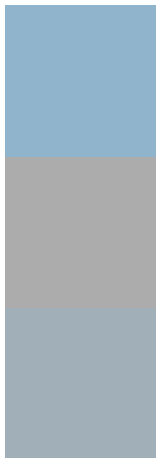
Deuteranomaly

41.4653, 42.5724, 63.7894

Tritanomaly

37.9880, 42.9221, 60.3154

Monochromacy



Original Color

38.5480, 42.8418, 63.3643

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.6796, 41.6977, 51.3572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5480, 42.8418, 63.3643 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(143, 180, 204)` looks like.

```
.text, #text, p{  
    color:rgb(143, 180, 204)  
}
```

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(143, 180, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 180, 204) }
```

Border

The CSS property to change the border of an element to XYZ 38.5480, 42.8418, 63.3643 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(143, 180, 204) }
```


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

```
.border{ border-color:rgb(143, 180, 204) }
```

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

Here you see how a box with a 4 pixel rgb(143, 180, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 180, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 180, 204);  
box-shadow:4px 4px 4px 4px rgb(143, 180,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5480, 42.8418, 63.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 180, 204) }
```

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

```
.background{ background-color: rgb(143,  
180, 204) }
```

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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