

Converting Colors

XYZ(38.7311, 44.8787, 62.9900)

Have a look what the booklet for
XYZ(38.7311, 44.8787, 62.9900)
contains.

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Color

**XYZ(38.6549, 44.7480,
63.0998)**

Conversions

Conversions Part 1

Format	Color
Hex	89BACB
RGB	137, 186, 203
RGB Percent	54%, 73%, 80%
CMY	0.4627, 0.2706, 0.2039
CMYK	0.33, 0.08, 0.00, 0.20
HSL	195°, 39%, 67%
HSV	195°, 33%, 80%
XYZ	38.6549, 44.7480, 63.0998
YIQ	173.2870, -34.6610, -5.1010

Conversions

Conversions Part 2

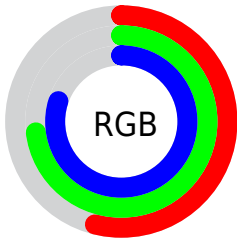
Format	Color
RYB	137, 165, 203
Decimal	9026251
CIELab	72.73, -11.99, -13.77
CIELCh	73, 18.259, 228.948
Yxy	44.7480, 0.2639, 0.3054
Android (android.graphics.Color)	4287216331 (0xFF89BACB)
YUV	173.2870, 14.6485, -31.8237
Hunter-Lab	66.8939, -13.9176, -9.1014

Details

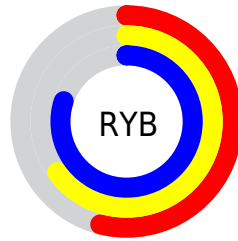
The XYZ color **38.6549, 44.7480, 63.0998** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7001, 37.6142, 28.7830**, and the grayscale version is **39.8082, 41.8814, 45.6088**.

A 20% lighter version of the original color is **71.5404, 81.9307, 106.6514**, and **17.4685, 20.8298, 31.5336** is the 20% darker color. If you saturate the color by 10%, you get **34.5541, 41.0297, 62.5990**, and if you desaturate by 10%, it is **43.4248, 48.8732, 63.6454**.

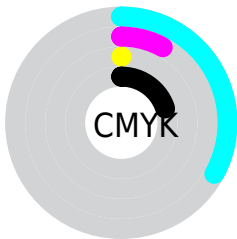
Distribution



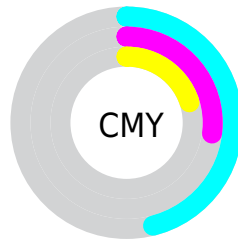
- Red (54%)
- Green (73%)
- Blue (80%)



- Red (54%)
- Yellow (65%)
- Blue (80%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (46%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6549, 44.7480, 63.0998 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 38.6549, 44.7480, 63.0998 by changing the saturation by 10% instead.

■ 38.6549, 44.7480,
63.0998

■ 38.6549, 44.7480,
63.0998

331.6535,
365.7520, 454.0495

■ 26.6709, 31.2590,
45.4804

■ 72.4083, 82.3421,
110.9004

■ 17.4615, 20.7961,
31.4903

■ 94.9083, 107.2160,
141.9188

■ 10.6614, 12.9751,
20.7109

■ 121.6445,
136.6537, 178.2406

■ 5.9053, 7.4114,
12.7237

152.9820,
171.0395, 220.2843

■ 2.8277, 3.7207,
7.1101

189.2864,
210.7578, 268.4685

■ 1.0633, 1.5186,
3.4515

230.9228,

■ 0.0000, 0.3017,

256.1931, 323.2118

1.3296

278.2567,
307.7297, 384.9326

■ 0.0000, 0.0000,
0.0858

■ 0.0000, 0.0000,
0.0000

■ 38.6549, 44.7480,
63.0998

■ 38.6549, 44.7480,
63.0998

■ 34.5541, 41.0297,
62.5990

■ 43.4248, 48.8732,
63.6454

■ 31.0827, 37.6939,
62.1381

■ 48.8926, 53.4176,
64.2344

■ 28.2029, 34.7218,
61.7162

■ 55.0902, 58.3993,
64.8693

■ 25.8710, 32.0900,
61.3311

■ 62.0464, 63.8338,
65.5516

■ 24.0369, 29.7720,
60.9804

■ 69.7884, 69.7355,
66.2827

■ 22.6405, 27.7363,
60.6610

■ 76.9287, 75.3900,
66.9978

■ 21.8011, 26.3548,
60.4386

■ 78.3008, 78.1342,
67.4552

■ 79.7161, 80.9647,
67.9269

■ 81.1748, 83.8822,
68.4132

Harmonies

Analogous

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



37.0260, 44.7480, 54.6106



38.6549, 44.7480, 63.0998



41.3745, 44.7480, 67.9307

Triad

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



38.6549, 44.7480, 63.0998



48.7952, 44.7480, 52.1447



40.5840, 44.7480, 34.0142

Complementary

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



38.6549, 44.7480, 63.0998



40.7001, 37.6142, 28.7830

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.



43.7102, 44.7480, 33.5272



38.6549, 44.7480, 63.0998



48.5576, 44.7480, 43.2745

Square

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



38.6549, 44.7480, 63.0998



47.2931, 44.7480, 61.1028



46.6593, 44.7480, 36.7147



38.1010, 44.7480, 38.1395

Rectangle

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



38.6549, 44.7480, 63.0998



43.4862, 44.7480, 68.0696



46.6593, 44.7480, 36.7147



41.5911, 44.7480, 33.4406

Sweetspot

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



38.6563, 44.7498, 63.1008



84.2234, 91.3615, 107.8032



37.4645, 50.3476, 38.0984



17.7236, 19.3084, 23.0427



0.0000, 0.0000, 0.0000



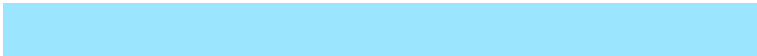
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6563, 44.7498, 63.1008



59.7999, 70.4962, 105.0631



32.5702, 32.5777, 61.0722



11.2892, 12.2189, 14.3338



13.9507, 16.9253, 38.4879



0.7787, 0.9911, 2.0052

Inverse Universe

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



42.4383, 34.1341, 50.8082



67.2501, 50.5650, 80.6280



46.8092, 49.8324, 30.8194



11.5593, 11.3525, 13.4801



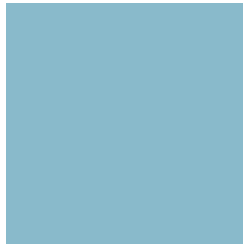
19.2526, 9.5116, 19.5804



1.0230, 0.5026, 1.1669

Previews

White Background



This preview shows how the XYZ color 38.6549, 44.7480, 63.0998 looks on a white background.

Color Contrast Check

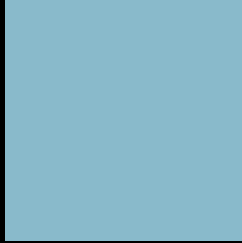
Large Text (above 18pt) WCAG AA × Fail

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 38.6549, 44.7480, 63.0998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

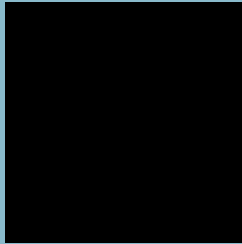
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6549, 44.7480, 63.0998

Background



This preview shows how black text looks on a background with the XYZ color 38.6549, 44.7480, 63.0998.



This preview shows how white text looks on a background with the XYZ color 38.6549, 44.7480,

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

38.6549, 44.7480, 63.0998

Protanopia

43.4794, 44.5895, 59.1383

Deuteranopia

45.3756, 44.2885, 64.5495



Tritanopia

38.4180, 44.6532, 61.8524

Trichromacy



Original Color

38.6549, 44.7480, 63.0998

Protanomaly

41.3280, 44.3431, 60.4137

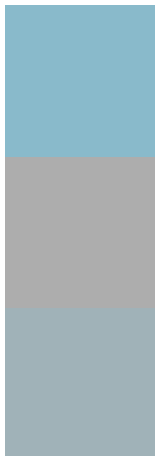
Deuteranomaly

42.6657, 44.3556, 64.0704

Tritanomaly

38.5361, 44.7004, 62.4741

Monochromacy



Original Color

38.6549, 44.7480, 63.0998

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.0693, 42.7751, 51.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6549, 44.7480, 63.0998 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(137, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 186, 203)  
}
```

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(137, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 186, 203) }
```

Border

The CSS property to change the border of an element to XYZ 38.6549, 44.7480, 63.0998 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(137, 186, 203) }
```


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

```
.border{ border-color:rgb(137, 186, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(137, 186,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6549, 44.7480, 63.0998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 186, 203) }
```

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

```
.background{ background-color: rgb(137,  
186, 203) }
```

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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