

Converting Colors

XYZ(38.0108, 40.0888, 56.7735)

Have a look what the booklet for
XYZ(38.0108, 40.0888, 56.7735)
contains.

XYZ(38.0108, 40.0888, 56.7735)	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(38.0108, 40.0888,
56.7735)**

Conversions

Conversions Part 1

Format	Color
Hex	9CABC2
RGB	156, 171, 194
RGB Percent	61%, 67%, 76%
CMY	0.3882, 0.3294, 0.2392
CMYK	0.20, 0.12, 0.00, 0.24
HSL	216°, 24%, 69%
HSV	216°, 20%, 76%
XYZ	38.0108, 40.0888, 56.7735
YIQ	169.1370, -16.3230, 3.9730

Conversions

Conversions Part 2

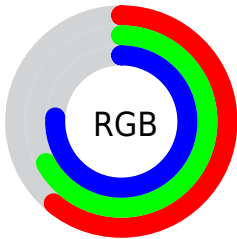
Format	Color
R _{YB}	156, 167, 194
Decimal	10267586
CIE Lab	69.53, -0.30, -13.50
CIE LCh	70, 13.508, 268.735
Yxy	40.0888, 0.2818, 0.2972
Android (android.graphics.Color)	4288457666 (0xFF9CABC2)
YUV	169.1370, 12.2575, -11.5211
Hunter-Lab	63.3157, -3.6423, -8.8427

Details

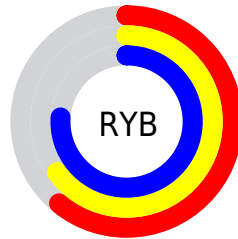
The XYZ color **38.0108, 40.0888, 56.7735** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.3693, 46.1098, 38.0149**, and the grayscale version is **37.7279, 39.6926, 43.2253**.

A 20% lighter version of the original color is **71.4729, 75.2066, 102.0161**, and **17.0394, 18.0302, 27.3930** is the 20% darker color. If you saturate the color by 10%, you get **32.4325, 34.0666, 55.9058**, and if you desaturate by 10%, it is **44.3882, 46.8174, 57.7368**.

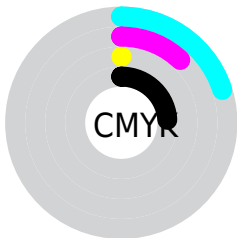
Distribution



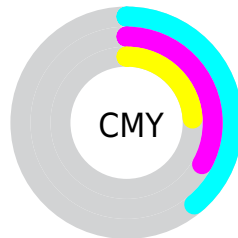
- Red (61%)
- Green (67%)
- Blue (76%)



- Red (61%)
- Yellow (65%)
- Blue (76%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (24%)



- Cyan (39%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0108, 40.0888, 56.7735 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 38.0108, 40.0888, 56.7735 by changing the saturation by 10% instead.

■ 38.0108, 40.0888,
56.7735

■ 38.0108, 40.0888,
56.7735

328.9464,
346.4977, 430.0700

■ 26.1683, 27.6078,
40.4153

■ 71.4285, 75.2987,
101.6317

■ 17.0829, 18.0302,
27.5462

■ 93.7344, 98.7964,
130.9687

■ 10.3893, 10.9717,
17.7478

120.2588,
126.7351, 165.4691

■ 5.7221, 6.0478,
10.6015

151.3672,
159.4992, 205.5513

■ 2.7159, 2.8742,
5.6888

187.4247,
197.4732, 251.6340

■ 1.0054, 1.0664,
2.5911

228.7969,

■ 0.0000, 0.0000,

241.0413, 304.1356

0.8878

275.8490,
290.5880, 363.4748

■ 0.0000, 0.0000,
0.0000

■ 38.0108, 40.0888,
56.7735

■ 38.0108, 40.0888,
56.7735

■ 32.4325, 34.0666,
55.9058

■ 44.3882, 46.8174,
57.7368

■ 27.6160, 28.7210,
55.1278

■ 51.5924, 54.2711,
58.7958

■ 23.5266, 24.0273,
54.4374

■ 59.6543, 62.4737,
59.9541

■ 20.1252, 19.9570,
53.8310

■ 68.6021, 71.4465,
61.2145

■ 17.3686, 16.4792,
53.3050

■ 78.4626, 81.2100,
62.5793

■ 15.2082, 13.5599,
52.8554

■ 82.5665, 88.3325,
63.7378

■ 13.5874, 11.1602,
52.4776

■ 86.1634, 95.5265,
64.9368

■ 12.4069, 9.2185,
52.1651

■ 86.7377, 96.6751,
65.1282

■ 12.3630, 9.1457,
52.1533

Harmonies

Analogous

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



35.9706, 40.0888, 54.7265



38.0108, 40.0888, 56.7735



40.1524, 40.0888, 55.0350

Triad

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



38.0108, 40.0888, 56.7735



41.8949, 40.0888, 38.1335



34.6341, 40.0888, 37.7158

Complementary

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



38.0108, 40.0888, 56.7735



44.3693, 46.1098, 38.0149

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.



36.1249, 40.0888, 33.9543



38.0108, 40.0888, 56.7735



40.3185, 40.0888, 34.1788

Square

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



38.0108, 40.0888, 56.7735



42.4457, 40.0888, 43.9153



38.1958, 40.0888, 32.7226



34.0675, 40.0888, 43.3856

Rectangle

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



38.0108, 40.0888, 56.7735



41.3389, 40.0888, 52.0486



38.1958, 40.0888, 32.7226



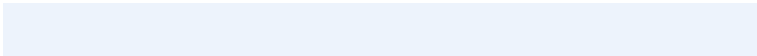
35.0409, 40.0888, 36.2071

Sweetspot

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



38.0120, 40.0904, 56.7744



84.8038, 89.3842, 105.2530



41.1193, 48.8988, 49.8138



18.3846, 19.3806, 23.0218



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.



38.0120, 40.0904, 56.7744



63.8454, 67.2453, 102.0844



36.0841, 35.1258, 55.9177



9.8473, 10.3858, 12.7705



8.2033, 6.1630, 34.3138



0.4217, 0.4007, 1.5050

Inverse Universe

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



41.4883, 38.1875, 43.7142



71.4939, 63.3649, 73.2804



46.5785, 51.9575, 39.0272



10.2342, 10.1423, 11.3238



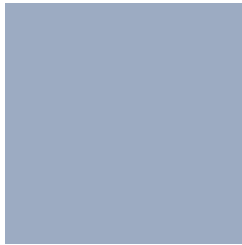
15.5366, 7.9044, 5.4718



0.7052, 0.3551, 0.4151

Previews

White Background



This preview shows how the XYZ color 38.0108, 40.0888, 56.7735 looks on a white background.

Color Contrast Check

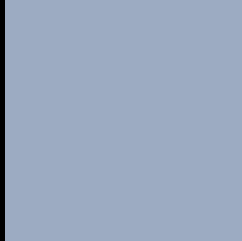
Large Text (above 18pt) WCAG AA × Fail

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 38.0108, 40.0888, 56.7735 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 38.0108, 40.0888, 56.7735

Background



This preview shows how black text looks on a background with the XYZ color 38.0108, 40.0888, 56.7735.



This preview shows how white text looks on a background with the XYZ color 38.0108, 40.0888,

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

38.0108, 40.0888, 56.7735

Protanopia

39.2429, 39.9180, 55.5058

Deuteranopia

40.7610, 39.8491, 57.1731



Tritanopia

36.9419, 39.9202, 52.2127

Trichromacy



Original Color

38.0108, 40.0888, 56.7735

Protanomaly

38.7139, 39.9076, 56.1146

Deuteranomaly

39.6054, 39.7931, 57.2232

Tritanomaly

37.4554, 40.1477, 53.9193

Monochromacy



Original Color

38.0108, 40.0888, 56.7735

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7204, 39.8563, 47.8244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0108, 40.0888, 56.7735 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(156, 171, 194)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 194)  
}
```

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(156, 171, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 194) }
```

Border

The CSS property to change the border of an element to XYZ 38.0108, 40.0888, 56.7735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

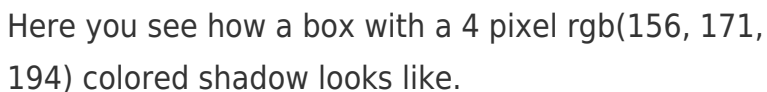
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 171, 194) }
```


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

```
.border{ border-color:rgb(156, 171, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 171, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 171, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 171, 194); box-shadow:4px 4px 4px 4px rgb(156, 171, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0108, 40.0888, 56.7735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 194) }
```

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

```
.background{ background-color: rgb(156,  
171, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor