

Converting Colors

XYZ(38.7863, 45.8452, 60.4228)

Have a look what the booklet for
XYZ(38.7863, 45.8452, 60.4228)
contains.

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Color

**XYZ(38.7072, 45.7908,
60.2245)**

Conversions

Conversions Part 1

Format	Color
Hex	89BDC6
RGB	137, 189, 198
RGB Percent	54%, 74%, 78%
CMY	0.4627, 0.2588, 0.2235
CMYK	0.31, 0.05, 0.00, 0.22
HSL	189°, 35%, 66%
HSV	189°, 31%, 78%
XYZ	38.7072, 45.7908, 60.2245
YIQ	174.4780, -33.8810, -8.2250

Conversions

Conversions Part 2

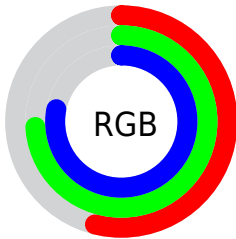
Format	Color
RYB	137, 165, 198
Decimal	9027014
CIELab	73.41, -14.77, -10.02
CIELCh	73, 17.849, 214.144
Yxy	45.7908, 0.2675, 0.3164
Android (android.graphics.Color)	4287217094 (0xFF89BDC6)
YUV	174.4780, 11.5963, -32.8682
Hunter-Lab	67.6689, -16.3170, -5.3992

Details

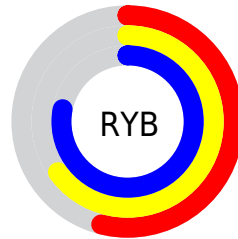
The XYZ color **38.7072, 45.7908, 60.2245** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0836, 34.3701, 28.2949**, and the grayscale version is **40.4338, 42.5395, 46.3255**.

A 20% lighter version of the original color is **72.4406, 83.7313, 106.9515**, and **17.4944, 21.5068, 29.6147** is the 20% darker color. If you saturate the color by 10%, you get **35.1330, 43.0260, 59.8800**, and if you desaturate by 10%, it is **42.8924, 48.8916, 60.6032**.

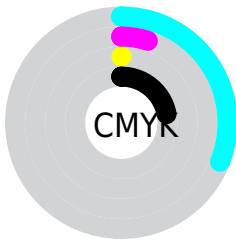
Distribution



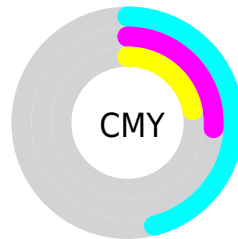
- Red (54%)
- Green (74%)
- Blue (78%)



- Red (54%)
- Yellow (65%)
- Blue (78%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (46%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7072, 45.7908, 60.2245 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 38.7072, 45.7908, 60.2245 by changing the saturation by 10% instead.

■ 38.7072, 45.7908,
60.2245

■ 38.7072, 45.7908,
60.2245

331.8727,
369.9670, 443.2524

■ 26.7117, 32.0808,
43.1731

■ 72.4877, 83.9058,
106.7018

■ 17.4923, 21.4232,
29.6886

■ 95.0035, 109.0796,
136.9649

■ 10.6836, 13.4337,
19.3523

■ 121.7568,
138.8434, 172.4689

■ 5.9202, 7.7279,
11.7457

153.1129,
173.5817, 213.6324

■ 2.8368, 3.9213,
6.4503

189.4371,
213.6788, 260.8740

■ 1.0681, 1.6296,
3.0476

231.0950,

■ 0.0000, 0.3775,

259.5191, 314.6121

1.1190

278.4517,
311.4870, 375.2654

■ 0.0000, 0.0000,
0.0000

■ 38.7072, 45.7908,
60.2245

■ 38.7072, 45.7908,
60.2245

■ 35.1330, 43.0260,
59.8800

■ 42.8924, 48.8916,
60.6032

■ 32.1330, 40.5748,
59.5650

■ 47.7148, 52.3386,
61.0144

■ 29.6727, 38.4204,
59.2788

■ 53.2037, 56.1483,
61.4604

■ 27.7123, 36.5421,
59.0196

■ 59.3858, 60.3344,
61.9426

■ 26.2061, 34.9164,
58.7852

■ 66.2860, 64.9098,
62.4621

■ 25.1001, 33.5152,
58.5730

■ 73.6317, 69.7343,
63.0061

■ 24.3430, 32.3769,
58.3932

■ 74.3438, 71.1585,
63.2435

■ 75.0690, 72.6089,
63.4852

■ 75.8074, 74.0857,
63.7313

Harmonies

Analogous

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



37.7656, 45.7908, 51.1203



38.7072, 45.7908, 60.2245



40.9383, 45.7908, 67.1241

Triad

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



38.7072, 45.7908, 60.2245



49.1947, 45.7908, 57.7994



43.0873, 45.7908, 34.5026

Complementary

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



38.7072, 45.7908, 60.2245



38.0836, 34.3701, 28.2949

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.



46.2138, 45.7908, 35.8406



38.7072, 45.7908, 60.2245



49.8372, 45.7908, 48.6174

Square

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



38.7072, 45.7908, 60.2245



47.0060, 45.7908, 65.6098



48.7221, 45.7908, 40.7558



40.2161, 45.7908, 36.8542

Rectangle

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



38.7072, 45.7908, 60.2245



42.9086, 45.7908, 69.1478



48.7221, 45.7908, 40.7558



44.1427, 45.7908, 34.5379

Sweetspot

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



38.7086, 45.7926, 60.2256



86.0345, 93.7632, 108.1714



35.6327, 47.7559, 34.1829



18.1231, 19.8643, 23.1290



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.



38.7086, 45.7926, 60.2256



64.1573, 77.7203, 106.2278



32.9719, 34.3193, 58.3133



10.8083, 11.7906, 13.6236



15.8798, 21.1535, 37.9904



0.7892, 1.0762, 1.8113

Inverse Universe

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



41.4208, 33.5724, 52.4432



69.8133, 52.9834, 89.8311



43.2585, 44.7200, 30.0199



11.0132, 10.7887, 13.0530



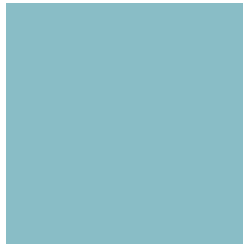
19.8147, 9.6755, 25.2979



0.9571, 0.4657, 1.2970

Previews

White Background



This preview shows how the XYZ color 38.7072, 45.7908, 60.2245 looks on a white background.

Color Contrast Check

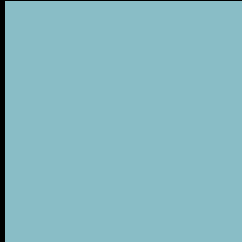
Large Text (above 18pt) WCAG AA × Fail

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 38.7072, 45.7908, 60.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

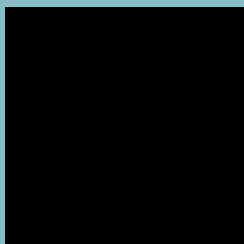
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

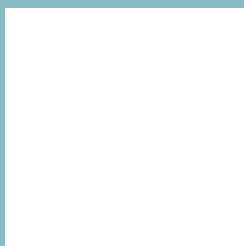
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7072, 45.7908, 60.2245

Background



This preview shows how black text looks on a background with the XYZ color 38.7072, 45.7908, 60.2245.



This preview shows how white text looks on a background with the XYZ color 38.7072, 45.7908,

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

38.7072, 45.7908, 60.2245

Protanopia

44.2249, 45.6297, 56.3457

Deuteranopia

46.3661, 45.4418, 61.5857



Tritanopia

39.2439, 45.6815, 63.2490

Trichromacy



Original Color

38.7072, 45.7908, 60.2245

Protanomaly

41.9809, 45.6545, 57.6385

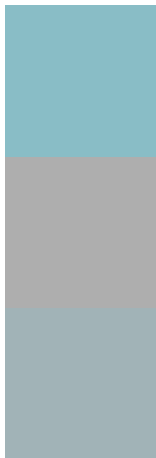
Deuteranomaly

43.1088, 45.2477, 61.1052

Tritanomaly

39.0071, 45.5868, 62.0016

Monochromacy



Original Color

38.7072, 45.7908, 60.2245

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.3653, 43.2362, 51.0704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7072, 45.7908, 60.2245 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, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(137, 189, 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(137, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 189, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.7072, 45.7908, 60.2245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

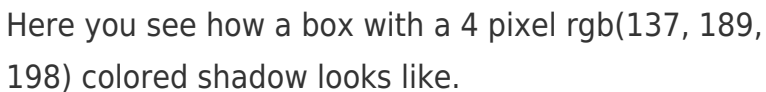
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 189, 198) }
```


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

```
.border{ border-color:rgb(137, 189, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 189, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 189, 198);  
box-shadow:4px 4px 4px 4px rgb(137, 189,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7072, 45.7908, 60.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 189, 198) }
```

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

```
.background{ background-color: rgb(137,  
189, 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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