

Converting Colors

XYZ(37.9390, 45.7877, 67.7227)

Have a look what the booklet for
XYZ(37.9390, 45.7877, 67.7227)
contains.

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Color

**XYZ(38.0094, 45.9078,
67.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	78BFD2
RGB	120, 191, 210
RGB Percent	47%, 75%, 82%
CMY	0.5294, 0.2510, 0.1765
CMYK	0.43, 0.09, 0.00, 0.18
HSL	193°, 50%, 65%
HSV	193°, 43%, 82%
XYZ	38.0094, 45.9078, 67.8306
YIQ	171.9370, -48.4150, -9.1430

Conversions

Conversions Part 2

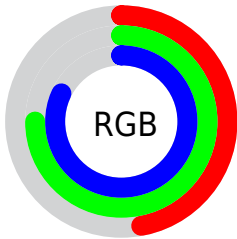
Format	Color
RYB	120, 160, 210
Decimal	7913426
CIELab	73.49, -17.34, -16.53
CIELCh	73, 23.955, 223.622
Yxy	45.9078, 0.2505, 0.3025
Android (android.graphics.Color)	4286103506 (0xFF78BFD2)
YUV	171.9370, 18.7651, -45.5487
Hunter-Lab	67.7553, -18.4367, -11.9272

Details

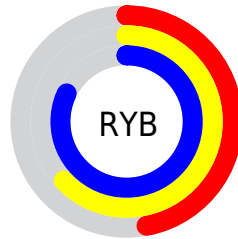
The XYZ color **38.0094, 45.9078, 67.8306** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.2021, 33.5239, 22.1752**, and the grayscale version is **39.1077, 41.1443, 44.8062**.

A 20% lighter version of the original color is **69.2153, 82.9716, 106.9748**, and **17.0608, 21.3816, 34.6804** is the 20% darker color. If you saturate the color by 10%, you get **34.4583, 42.6646, 67.3926**, and if you desaturate by 10%, it is **42.2312, 49.5423, 68.3104**.

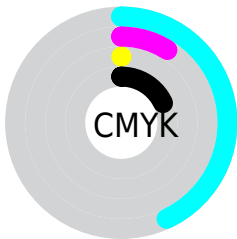
Distribution



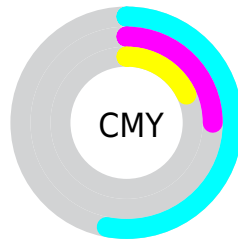
- Red (47%)
- Green (75%)
- Blue (82%)



- Red (47%)
- Yellow (63%)
- Blue (82%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (53%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0094, 45.9078, 67.8306 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 38.0094, 45.9078, 67.8306 by changing the saturation by 10% instead.

■ 38.0094, 45.9078,
67.8306

■ 38.0094, 45.9078,
67.8306

328.9404,
370.4379, 471.4773

■ 26.1672, 32.1731,
49.2941

■ 71.4264, 84.0810,
117.7617

■ 17.0821, 21.4937,
34.4856

■ 93.7318, 109.2883,
149.9934

■ 10.3887, 13.4854,
22.9865

■ 120.2558,
139.0885, 187.6272

■ 5.7217, 7.7636,
14.3783

151.3636,
173.8661, 231.0817

■ 2.7156, 3.9441,
8.2425

187.4207,
214.0054, 280.7754

■ 1.0052, 1.6423,
4.1605

228.7922,

■ 0.0000, 0.3859,

259.8909, 337.1269

1.7138

275.8437,
311.9069, 400.5547

■ 0.0000, 0.0000,
0.3702

■ 0.0000, 0.0000,
0.0000

■ 38.0094, 45.9078,
67.8306

■ 38.0094, 45.9078,
67.8306

■ 34.4583, 42.6646,
67.3926

■ 42.2312, 49.5423,
68.3104

■ 31.5313, 39.7852,
66.9911

■ 47.1582, 53.5831,
68.8307

■ 29.1821, 37.2463,
66.6248

■ 52.8273, 58.0507,
69.3942

■ 27.3563, 35.0195,
66.2912

■ 59.2717, 62.9624,
70.0026

■ 25.9879, 33.0705,
65.9872

■ 66.5225, 68.3348,
70.6575

■ 25.2095, 31.8061,
65.7841

■ 74.6090, 74.1833,
71.3601

■ 79.0035, 78.1741,
71.8988

■ 80.1967, 80.5606,
72.2966

■ 81.4212, 83.0095,
72.7047

Harmonies

Analogous

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



36.2002, 45.9078, 55.6721



38.0094, 45.9078, 67.8306



41.3815, 45.9078, 75.8168

Triad

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



38.0094, 45.9078, 67.8306



51.9078, 45.9078, 56.8427



41.7472, 45.9078, 30.6005

Complementary

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



38.0094, 45.9078, 67.8306



39.2021, 33.5239, 22.1752

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.



45.9668, 45.9078, 30.8099



38.0094, 45.9078, 67.8306



52.0216, 45.9078, 44.7005

Square

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



38.0094, 45.9078, 67.8306



49.4864, 45.9078, 68.8060



49.7878, 45.9078, 35.5821



38.2622, 45.9078, 34.9544

Rectangle

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



38.0094, 45.9078, 67.8306



44.1495, 45.9078, 77.0089



49.7878, 45.9078, 35.5821



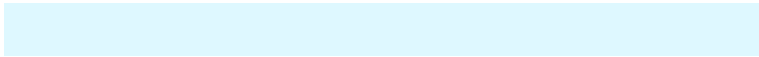
43.1225, 45.9078, 30.1639

Sweetspot

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



38.0108, 45.9096, 67.8317



81.6963, 89.8620, 107.6470



35.3809, 51.9223, 32.2033



17.0459, 18.8914, 22.9979



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.



38.0108, 45.9096, 67.8317



54.1191, 66.8140, 104.6518



29.8135, 29.5150, 65.0993



11.9377, 12.9657, 15.1171



15.4523, 19.5512, 40.1518



0.9183, 1.2018, 2.2631

Inverse Universe

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



42.7000, 30.8975, 53.0053



62.5080, 41.4909, 77.7834



46.9031, 48.9259, 24.7422



12.1995, 11.9645, 14.3261



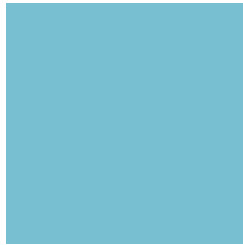
20.4303, 10.0450, 22.9700



1.1698, 0.5726, 1.4288

Previews

White Background



This preview shows how the XYZ color 38.0094, 45.9078, 67.8306 looks on a white background.

Color Contrast Check

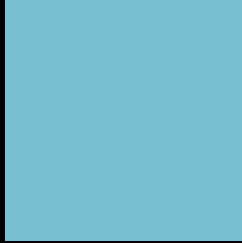
Large Text (above 18pt) WCAG AA × Fail

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 38.0094, 45.9078, 67.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

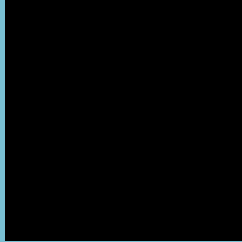
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0094, 45.9078, 67.8306

Background



This preview shows how black text looks on a background with the XYZ color 38.0094, 45.9078, 67.8306.



This preview shows how white text looks on a background with the XYZ color 38.0094, 45.9078,

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

38.0094, 45.9078, 67.8306

Protanopia

44.4856, 45.3352, 62.2830

Deuteranopia

46.5916, 45.6785, 69.3120



Tritanopia

37.7199, 46.1262, 65.9467

Trichromacy



Original Color

38.0094, 45.9078, 67.8306

Protanomaly

41.6632, 45.3427, 64.3137

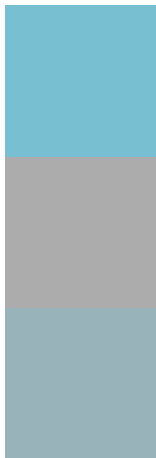
Deuteranomaly

42.7056, 45.1721, 68.7556

Tritanomaly

37.8426, 46.1753, 66.5927

Monochromacy



Original Color

38.0094, 45.9078, 67.8306

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.1199, 42.5577, 52.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0094, 45.9078, 67.8306 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(120, 191, 210)` looks like.

```
.text, #text, p{  
    color:rgb(120, 191, 210)  
}
```

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(120, 191, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 191, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.0094, 45.9078, 67.8306 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(120, 191, 210) }
```


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

```
.border{ border-color:rgb(120, 191, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 191, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 191, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 191, 210);  
box-shadow:4px 4px 4px 4px rgb(120, 191,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0094, 45.9078, 67.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 191, 210) }
```

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

```
.background{ background-color: rgb(120,  
191, 210) }
```

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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