

Converting Colors

XYZ(38.6725, 45.8393, 70.3788)

Have a look what the booklet for
XYZ(38.6725, 45.8393, 70.3788)
contains.

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Color

**XYZ(38.7194, 45.8929,
70.4358)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBED6
RGB	123, 190, 214
RGB Percent	48%, 75%, 84%
CMY	0.5176, 0.2549, 0.1608
CMYK	0.43, 0.11, 0.00, 0.16
HSL	196°, 53%, 66%
HSV	196°, 43%, 84%
XYZ	38.7194, 45.8929, 70.4358
YIQ	172.7030, -47.6360, -6.7400

Conversions

Conversions Part 2

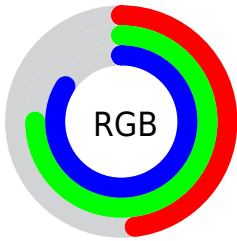
Format	Color
RYB	123, 162, 214
Decimal	8109782
CIELab	73.48, -15.02, -18.70
CIELCh	73, 23.987, 231.232
Yxy	45.8929, 0.2497, 0.2960
Android (android.graphics.Color)	4286299862 (0xFF7BBED6)
YUV	172.7030, 20.3594, -43.5895
Hunter-Lab	67.7443, -16.5305, -14.2246

Details

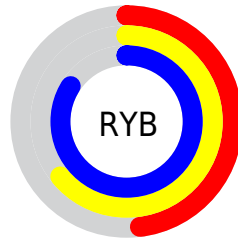
The XYZ color **38.7194, 45.8929, 70.4358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7413, 36.5944, 23.6035**, and the grayscale version is **39.4875, 41.5440, 45.2414**.

A 20% lighter version of the original color is **69.5962, 82.7152, 106.9053**, and **17.5184, 21.5878, 36.0444** is the 20% darker color. If you saturate the color by 10%, you get **34.7877, 42.0874, 69.9093**, and if you desaturate by 10%, it is **43.3704, 50.1416, 71.0116**.

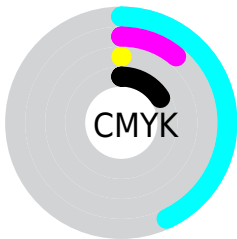
Distribution



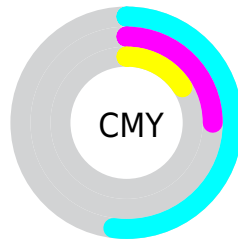
- Red (48%)
- Green (75%)
- Blue (84%)



- Red (48%)
- Yellow (64%)
- Blue (84%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7194, 45.8929, 70.4358 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 38.7194, 45.8929, 70.4358 by changing the saturation by 10% instead.

■ 38.7194, 45.8929,
70.4358

■ 38.7194, 45.8929,
70.4358

331.9238,
370.3779, 480.9091

■ 26.7213, 32.1613,
51.4029

■ 72.5063, 84.0587,
121.5170

■ 17.4995, 21.4847,
36.1504

■ 95.0257, 109.2617,
154.4023

■ 10.6888, 13.4788,
24.2598

■ 121.7830,
139.0573, 192.7422

■ 5.9237, 7.7591,
15.3124

153.1434,
173.8298, 236.9552

■ 2.8390, 3.9412,
8.8899

189.4723,
213.9638, 287.4599

■ 1.0692, 1.6407,
4.5736

231.1351,

■ 0.0000, 0.3848,

259.8435, 344.6747

1.9450

278.4971,
311.8534, 409.0183

■ 0.0000, 0.0000,
0.5211

■ 0.0000, 0.0000,
0.0000

■ 38.7194, 45.8929,
70.4358

■ 38.7194, 45.8929,
70.4358

■ 34.7877, 42.0874,
69.9093

■ 43.3704, 50.1416,
71.0116

■ 31.5265, 38.6959,
69.4266

■ 48.7770, 54.8498,
71.6354

■ 28.8872, 35.6938,
68.9862

■ 54.9781, 60.0395,
72.3102

■ 26.8126, 33.0507,
68.5854

■ 62.0086, 65.7292,
73.0379

■ 25.2340, 30.7303,
68.2207

■ 69.9012, 71.9366,
73.8201

■ 24.2905, 29.1606,
67.9674

■ 78.6867, 78.6784,
74.6583

■ 81.5381, 82.4357,
75.2333

■ 83.1298, 85.6191,
75.7639

■ 84.7727, 88.9051,
76.3115

Harmonies

Analogous

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



36.4647, 45.8929, 58.8951



38.7194, 45.8929, 70.4358



42.3909, 45.8929, 76.7278

Triad

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



38.7194, 45.8929, 70.4358



52.1682, 45.8929, 53.6076



40.7382, 45.8929, 31.2394

Complementary

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



38.7194, 45.8929, 70.4358



41.7413, 36.5944, 23.6035

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.



44.8723, 45.8929, 30.2915



38.7194, 45.8929, 70.4358



51.6546, 45.8929, 41.9946

Square

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



38.7194, 45.8929, 70.4358



50.2783, 45.8929, 66.0322



48.9172, 45.8929, 33.9099



37.5768, 45.8929, 36.7490

Rectangle

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



38.7194, 45.8929, 70.4358



45.2244, 45.8929, 76.4964



48.9172, 45.8929, 33.9099



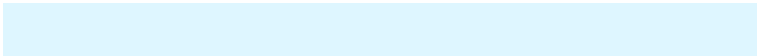
42.0536, 45.8929, 30.4164

Sweetspot

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



38.7208, 45.8947, 70.4369



81.1625, 88.7943, 107.4690



37.3849, 54.3726, 35.6181



16.9132, 18.6260, 22.9537



0.0000, 0.0000, 0.0000



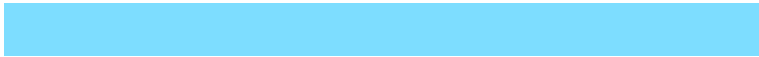
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7208, 45.8947, 70.4369



52.2783, 63.1325, 104.0382



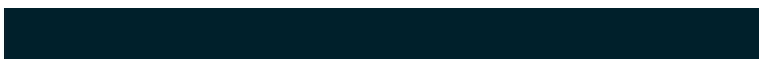
30.5475, 29.5481, 67.7124



12.5022, 13.5278, 15.8897



14.7708, 17.8035, 41.1111



0.9568, 1.2056, 2.5016

Inverse Universe

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



44.1100, 32.1810, 52.6038



61.5789, 41.1192, 72.8907



49.9931, 53.0980, 26.3541



12.8067, 12.5742, 14.9223



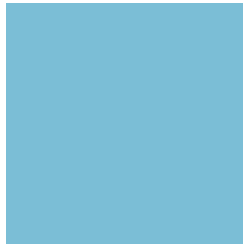
20.5145, 10.1421, 20.5452



1.2706, 0.6250, 1.4143

Previews

White Background



This preview shows how the XYZ color 38.7194, 45.8929, 70.4358 looks on a white background.

Color Contrast Check

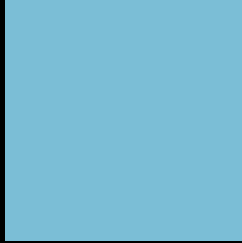
Large Text (above 18pt) WCAG AA × Fail

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 38.7194, 45.8929, 70.4358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

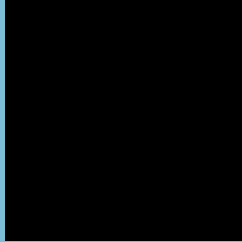
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7194, 45.8929, 70.4358

Background



This preview shows how black text looks on a background with the XYZ color 38.7194, 45.8929, 70.4358.



This preview shows how white text looks on a background with the XYZ color 38.7194, 45.8929,

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

38.7194, 45.8929, 70.4358

Protanopia

44.7402, 45.4110, 64.7997

Deuteranopia

46.6401, 45.6441, 71.9976



Tritanopia

37.7784, 45.8315, 65.8867

Trichromacy



Original Color

38.7194, 45.8929, 70.4358

Protanomaly

41.9469, 45.1273, 66.8212

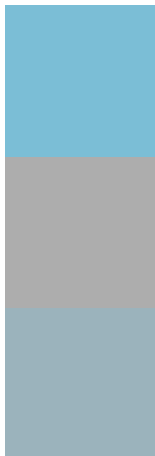
Deuteranomaly

43.2166, 45.3765, 71.4465

Tritanomaly

38.2897, 46.0523, 67.8437

Monochromacy



Original Color

38.7194, 45.8929, 70.4358

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.7148, 42.8396, 53.8053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7194, 45.8929, 70.4358 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(123, 190, 214)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 214)  
}
```

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(123, 190, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 214) }
```

Border

The CSS property to change the border of an element to XYZ 38.7194, 45.8929, 70.4358 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(123, 190, 214) }
```


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

```
.border{ border-color:rgb(123, 190, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 190, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 214);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7194, 45.8929, 70.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 214) }
```

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

```
.background{ background-color: rgb(123,  
190, 214) }
```

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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