

Converting Colors

XYZ(38.1225, 44.9640, 62.3322)

Have a look what the booklet for
XYZ(38.1225, 44.9640, 62.3322)
contains.

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Color

**XYZ(38.3168, 45.2173,
62.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	85BCCA
RGB	133, 188, 202
RGB Percent	52%, 74%, 79%
CMY	0.4784, 0.2627, 0.2078
CMYK	0.34, 0.07, 0.00, 0.21
HSL	192°, 39%, 66%
HSV	192°, 34%, 79%
XYZ	38.3168, 45.2173, 62.5854
YIQ	173.1510, -37.2740, -7.3060

Conversions

Conversions Part 2

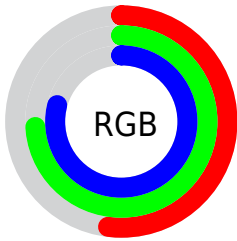
Format	Color
RYB	133, 164, 202
Decimal	8764618
CIELab	73.03, -14.41, -12.78
CIElCh	73, 19.260, 221.580
Yxy	45.2173, 0.2622, 0.3095
Android (android.graphics.Color)	4286954698 (0xFF85BCCA)
YUV	173.1510, 14.2226, -35.2124
Hunter-Lab	67.2438, -15.9640, -8.1119

Details

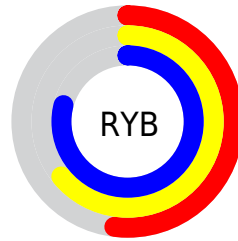
The XYZ color **38.3168, 45.2173, 62.5854** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0252, 35.1180, 26.9131**, and the grayscale version is **39.7420, 41.8117, 45.5329**.

A 20% lighter version of the original color is **71.1397, 82.6127, 106.8041**, and **17.3175, 21.1715, 31.1908** is the 20% darker color. If you saturate the color by 10%, you get **34.5664, 42.0037, 62.1636**, and if you desaturate by 10%, it is **42.7081, 48.8003, 63.0463**.

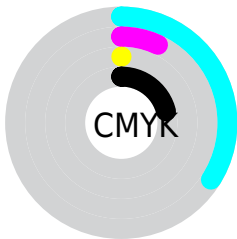
Distribution



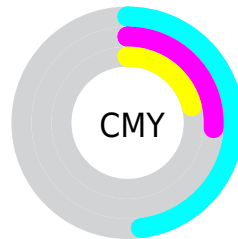
- Red (52%)
- Green (74%)
- Blue (79%)



- Red (52%)
- Yellow (64%)
- Blue (79%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (48%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3168, 45.2173, 62.5854 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 38.3168, 45.2173, 62.5854 by changing the saturation by 10% instead.

■ 38.3168, 45.2173,
62.5854

■ 38.3168, 45.2173,
62.5854

330.2344,
367.6529, 452.1297

■ 26.4070, 31.6286,
45.0670

■ 71.8942, 83.0464,
110.1509

■ 17.2626, 21.0780,
31.1669

■ 94.2925, 108.0556,
141.0352

■ 10.5184, 13.1810,
20.4664

■ 120.9177,
137.6404, 177.2118

■ 5.8089, 7.5533,
12.5471

152.1352,
172.1853, 219.0994

■ 2.7688, 3.8105,
6.9904

188.3102,
212.0746, 267.1164

■ 1.0327, 1.5681,
3.3777

229.8082,

■ 0.0000, 0.3360,

257.6927, 321.6815

1.2906

276.9945,
309.4240, 383.2130

■ 0.0000, 0.0000,
0.0541

■ 0.0000, 0.0000,
0.0000

■ 38.3168, 45.2173,
62.5854

■ 38.3168, 45.2173,
62.5854

■ 34.5664, 42.0037,
62.1636

■ 42.7081, 48.8003,
63.0463

■ 31.4174, 39.1357,
61.7759

■ 47.7687, 52.7646,
63.5448

■ 28.8319, 36.5944,
61.4217

■ 53.5306, 57.1278,
64.0833

■ 26.7661, 34.3571,
61.0987

■ 60.0221, 61.9050,
64.6632

■ 25.1695, 32.3974,
60.8046

■ 67.2702, 67.1102,
65.2859

■ 23.9808, 30.6832,
60.5364

■ 75.3002, 72.7570,
65.9526

■ 23.4094, 29.7614,
60.3886

■ 76.6338, 74.9902,
66.3134

■ 77.7012, 77.1252,
66.6692

■ 78.7951, 79.3130,
67.0339

Harmonies

Analogous

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



36.9452, 45.2173, 53.0484



38.3168, 45.2173, 62.5854



40.9653, 45.2173, 68.9923

Triad

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



38.3168, 45.2173, 62.5854



49.4139, 45.2173, 55.3248



41.6918, 45.2173, 33.2194

Complementary

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



38.3168, 45.2173, 62.5854



39.0252, 35.1180, 26.9131

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.



45.0549, 45.2173, 33.6616



38.3168, 45.2173, 62.5854



49.6335, 45.2173, 45.6069

Square

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



38.3168, 45.2173, 62.5854



47.4167, 45.2173, 64.4380



48.0020, 45.2173, 37.9307



38.8247, 45.2173, 36.6319

Rectangle

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



38.3168, 45.2173, 62.5854



43.1564, 45.2173, 70.1792



48.0020, 45.2173, 37.9307



42.7995, 45.2173, 32.9354

Sweetspot

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



38.3182, 45.2191, 62.5864



84.6547, 92.2240, 107.9470



36.0452, 49.3288, 35.1444



17.8284, 19.5180, 23.0776



0.0000, 0.0000, 0.0000



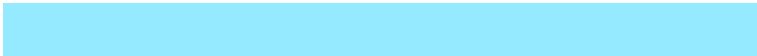
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3182, 45.2191, 62.5864



60.0737, 72.4728, 105.4302



31.8408, 32.2643, 60.4273



11.3425, 12.3254, 14.3516



15.1281, 19.2802, 38.8804



0.8307, 1.0951, 2.0225

Inverse Universe

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



41.8229, 32.9637, 51.7373



67.0394, 49.1450, 83.6363



45.1766, 47.4209, 28.9636



11.5862, 11.3632, 13.6217



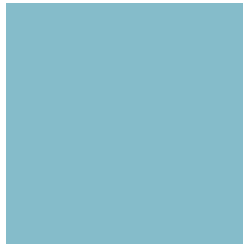
19.8469, 9.7493, 22.7101



1.0492, 0.5131, 1.3051

Previews

White Background



This preview shows how the XYZ color 38.3168, 45.2173, 62.5854 looks on a white background.

Color Contrast Check

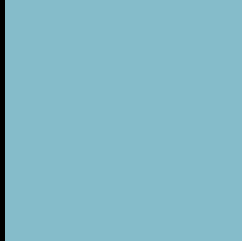
Large Text (above 18pt) WCAG AA × Fail

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 38.3168, 45.2173, 62.5854 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 38.3168, 45.2173, 62.5854

Background



This preview shows how black text looks on a background with the XYZ color 38.3168, 45.2173, 62.5854.



This preview shows how white text looks on a background with the XYZ color 38.3168, 45.2173,

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

38.3168, 45.2173, 62.5854

Protanopia

43.7039, 44.7315, 57.9604

Deuteranopia

45.9227, 44.8702, 63.9980



Tritanopia

38.4356, 45.2648, 63.2111

Trichromacy



Original Color

38.3168, 45.2173, 62.5854

Protanomaly

41.4149, 44.7020, 59.8716

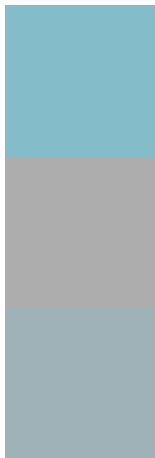
Deuteranomaly

42.5362, 44.5992, 63.4933

Tritanomaly

38.4356, 45.2648, 63.2111

Monochromacy



Original Color

38.3168, 45.2173, 62.5854

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6727, 42.5706, 51.5261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3168, 45.2173, 62.5854 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(133, 188, 202)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 202)  
}
```

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(133, 188, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 202) }
```

Border

The CSS property to change the border of an element to XYZ 38.3168, 45.2173, 62.5854 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(133, 188, 202) }
```


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

```
.border{ border-color:rgb(133, 188, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 188, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 202);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3168, 45.2173, 62.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 188, 202) }
```

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

```
.background{ background-color: rgb(133,  
188, 202) }
```

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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