

Converting Colors

XYZ(38.5960, 45.4944, 63.1881)

Have a look what the booklet for
XYZ(38.5960, 45.4944, 63.1881)
contains.

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Color

**XYZ(38.4356, 45.2648,
63.2111)**

Conversions

Conversions Part 1

Format	Color
Hex	85BCCB
RGB	133, 188, 203
RGB Percent	52%, 74%, 80%
CMY	0.4784, 0.2627, 0.2039
CMYK	0.34, 0.07, 0.00, 0.20
HSL	193°, 40%, 66%
HSV	193°, 34%, 80%
XYZ	38.4356, 45.2648, 63.2111
YIQ	173.2650, -37.5950, -6.9950

Conversions

Conversions Part 2

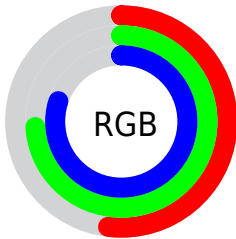
Format	Color
RYB	133, 164, 203
Decimal	8764619
CIELab	73.07, -14.16, -13.28
CIElCh	73, 19.414, 223.165
Yxy	45.2648, 0.2616, 0.3081
Android (android.graphics.Color)	4286954699 (0xFF85BCCB)
YUV	173.2650, 14.6594, -35.3124
Hunter-Lab	67.2791, -15.7640, -8.6097

Details

The XYZ color **38.4356, 45.2648, 63.2111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4529, 35.5703, 26.9778**, and the grayscale version is **39.7981, 41.8707, 45.5972**.

A 20% lighter version of the original color is **71.1397, 82.6127, 106.8041**, and **17.3971, 21.2033, 31.6095** is the 20% darker color. If you saturate the color by 10%, you get **34.6202, 41.9403, 62.7713**, and if you desaturate by 10%, it is **42.9011, 48.9682, 63.6913**.

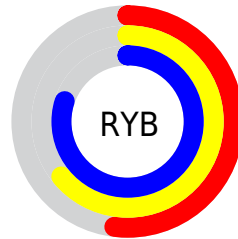
Distribution



Red (52%)

Green (74%)

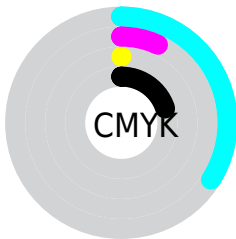
Blue (80%)



Red (52%)

Yellow (64%)

Blue (80%)

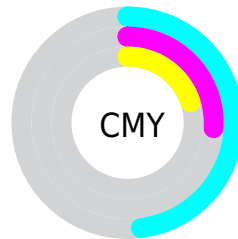


Cyan (34%)

Magenta (7%)

Yellow (0%)

Black (20%)



Cyan (48%)

Magenta (26%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4356, 45.2648, 63.2111 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 38.4356, 45.2648, 63.2111 by changing the saturation by 10% instead.

■ 38.4356, 45.2648,
63.2111

■ 38.4356, 45.2648,
63.2111

330.7335,
367.8449, 454.4642

■ 26.4997, 31.6661,
45.5699

■ 72.0749, 83.1176,
111.0625

■ 17.3325, 21.1066,
31.5604

■ 94.5090, 108.1405,
142.1098

■ 10.5686, 13.2019,
20.7639

■ 121.1733,
137.7402, 178.4629

■ 5.8427, 7.5677,
12.7620

152.4330,
172.3011, 220.5404

■ 2.7894, 3.8196,
7.1360

188.6535,
212.2077, 268.7607

■ 1.0434, 1.5732,
3.4676

230.2002,

■ 0.0000, 0.3394,

257.8442, 323.5424

1.3381

277.4384,
309.5952, 385.3041

■ 0.0000, 0.0000,
0.0927

■ 0.0000, 0.0000,
0.0000

■ 38.4356, 45.2648,
63.2111

■ 38.4356, 45.2648,
63.2111

■ 34.6202, 41.9403,
62.7713

■ 42.9011, 48.9682,
63.6913

■ 31.4148, 38.9704,
62.3670

■ 48.0457, 53.0626,
64.2105

■ 28.7810, 36.3360,
61.9973

■ 53.9018, 57.5660,
64.7711

■ 26.6742, 34.0137,
61.6601

■ 60.4982, 62.4936,
65.3745

■ 25.0428, 31.9766,
61.3529

■ 67.8621, 67.8600,
66.0222

■ 23.8242, 30.1921,
61.0727

■ 76.0195, 73.6787,
66.7154

■ 23.2650, 29.2826,
60.9266

■ 77.2079, 75.9483,
67.0909

■ 78.3538, 78.2401,
67.4728

■ 79.5295, 80.5915,
67.8647

Harmonies

Analogous

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



36.9752, 45.2648, 53.6667



38.4356, 45.2648, 63.2111



41.1601, 45.2648, 69.4294

Triad

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



38.4356, 45.2648, 63.2111



49.5773, 45.2648, 54.9001



41.5534, 45.2648, 33.2330

Complementary

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



38.4356, 45.2648, 63.2111



39.4529, 35.5703, 26.9778

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.



44.9410, 45.2648, 33.4718



38.4356, 45.2648, 63.2111



49.6963, 45.2648, 45.1498

Square

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



38.4356, 45.2648, 63.2111



47.6441, 45.2648, 64.2158



47.9613, 45.2648, 37.5721



38.7105, 45.2648, 36.8701

Rectangle

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



38.4356, 45.2648, 63.2111



43.3842, 45.2648, 70.4049



47.9613, 45.2648, 37.5721



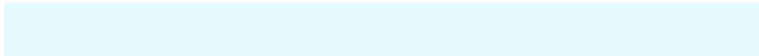
42.6635, 45.2648, 32.8784

Sweetspot

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



38.4370, 45.2666, 63.2121



84.5646, 92.0438, 107.9169



36.2963, 49.8059, 35.3054



17.8065, 19.4742, 23.0703



0.0000, 0.0000, 0.0000



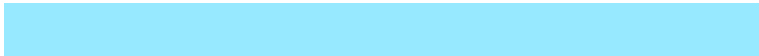
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4370, 45.2666, 63.2121



59.7362, 71.7979, 105.3177



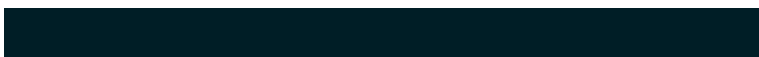
32.0091, 32.4107, 61.0695



11.3314, 12.3031, 14.3479



14.8741, 18.7723, 38.7957



0.8196, 1.0729, 2.0188

Inverse Universe

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



42.0944, 33.1036, 51.7499



66.8691, 49.0769, 82.7393



45.5911, 47.8469, 29.0239



11.5806, 11.3610, 13.5921



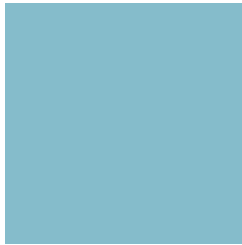
19.7187, 9.6981, 22.0350



1.0436, 0.5109, 1.2756

Previews

White Background



This preview shows how the XYZ color 38.4356, 45.2648, 63.2111 looks on a white background.

Color Contrast Check

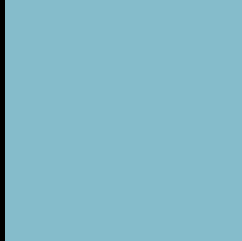
Large Text (above 18pt) WCAG AA × Fail

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 38.4356, 45.2648, 63.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

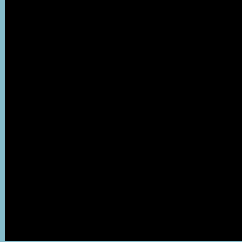
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4356, 45.2648, 63.2111

Background



This preview shows how black text looks on a background with the XYZ color 38.4356, 45.2648, 63.2111.



This preview shows how white text looks on a background with the XYZ color 38.4356, 45.2648,

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

38.4356, 45.2648, 63.2111

Protanopia

43.8174, 44.7769, 58.5579

Deuteranopia

45.8051, 44.7956, 64.6248



Tritanopia

38.4356, 45.2648, 63.2111

Trichromacy



Original Color

38.4356, 45.2648, 63.2111

Protanomaly

41.5306, 44.7483, 60.4812

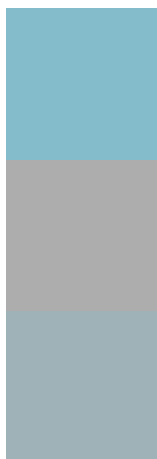
Deuteranomaly

42.6566, 44.6473, 64.1272

Tritanomaly

38.4356, 45.2648, 63.2111

Monochromacy



Original Color

38.4356, 45.2648, 63.2111

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 38.4356, 45.2648, 63.2111 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 203) }
```

Border

The CSS property to change the border of an element to XYZ 38.4356, 45.2648, 63.2111 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, 203) }
```


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

```
.border{ border-color:rgb(133, 188, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4356, 45.2648, 63.2111 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, 203) }
```

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

```
.background{ background-color: rgb(133,  
188, 203) }
```

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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