

Converting Colors

XYZ(38.4838, 45.6005, 59.1432)

Have a look what the booklet for
XYZ(38.4838, 45.6005, 59.1432)
contains.

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Color

**XYZ(38.4779, 45.6991,
59.0174)**

Conversions

Conversions Part 1

Format	Color
Hex	89BDC4
RGB	137, 189, 196
RGB Percent	54%, 74%, 77%
CMY	0.4627, 0.2588, 0.2314
CMYK	0.30, 0.04, 0.00, 0.23
HSL	187°, 33%, 65%
HSV	187°, 30%, 77%
XYZ	38.4779, 45.6991, 59.0174
YIQ	174.2500, -33.2390, -8.8470

Conversions

Conversions Part 2

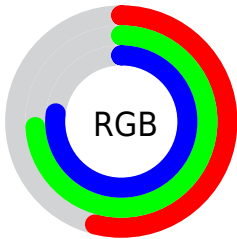
Format	Color
RYB	137, 165, 196
Decimal	9027012
CIELab	73.35, -15.25, -9.02
CIELCh	73, 17.715, 210.597
Yxy	45.6991, 0.2687, 0.3191
Android (android.graphics.Color)	4287217092 (0xFF89BDC4)
YUV	174.2500, 10.7227, -32.6683
Hunter-Lab	67.6011, -16.7015, -4.4408

Details

The XYZ color **38.4779, 45.6991, 59.0174** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2541, 33.4887, 28.1682**, and the grayscale version is **40.3205, 42.4203, 46.1957**.

A 20% lighter version of the original color is **72.1203, 83.6031, 105.2644**, and **17.3428, 21.4461, 28.8166** is the 20% darker color. If you saturate the color by 10%, you get **35.0565, 43.2000, 58.7161**, and if you desaturate by 10%, it is **42.4936, 48.5188, 59.3508**.

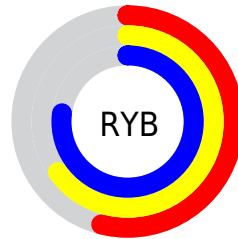
Distribution



Red (54%)

Green (74%)

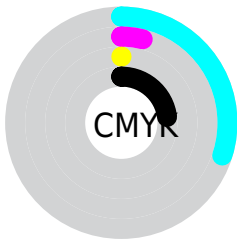
Blue (77%)



Red (54%)

Yellow (65%)

Blue (77%)

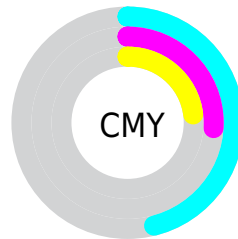


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4779, 45.6991, 59.0174 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 38.4779, 45.6991, 59.0174 by changing the saturation by 10% instead.

■ 38.4779, 45.6991,
59.0174

■ 38.4779, 45.6991,
59.0174

330.9111,
369.5976, 438.6701

■ 26.5327, 32.0084,
42.2070

■ 72.1392, 83.7685,
104.9323

■ 17.3573, 21.3679,
28.9366

■ 94.5861, 108.9160,
134.8740

■ 10.5865, 13.3932,
18.7877

■ 121.2642,
138.6513, 170.0297

■ 5.8547, 7.6999,
11.3417

152.5389,
173.3587, 210.8182

■ 2.7968, 3.9035,
6.1801

188.7756,
213.4226, 257.6580

■ 1.0472, 1.6197,
2.8844

230.3397,

■ 0.0000, 0.3709,

259.2275, 310.9675

1.0359

277.5964,
311.1577, 371.1654

■ 0.0000, 0.0000,
0.0000

■ 38.4779, 45.6991,
59.0174

■ 38.4779, 45.6991,
59.0174

■ 35.0565, 43.2000,
58.7161

■ 42.4936, 48.5188,
59.3508

■ 32.1938, 40.9996,
58.4423

■ 47.1290, 51.6687,
59.7144

■ 29.8564, 39.0819,
58.1953

■ 52.4125, 55.1647,
60.1108

■ 28.0058, 37.4268,
57.9734

■ 58.3700, 59.0203,
60.5410

■ 26.5981, 36.0116,
57.7744

■ 65.0257, 63.2479,
61.0062

■ 25.5812, 34.8097,
57.5960

■ 72.4027, 67.8595,
61.5075

■ 24.8605, 33.7786,
57.4350

■ 73.1015, 69.0407,
61.6987

■ 73.6627, 70.1632,
61.8858

■ 74.2323, 71.3022,
62.0756

Harmonies

Analogous

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



37.7136, 45.6991, 49.9377



38.4779, 45.6991, 59.0174



40.5589, 45.6991, 66.2616

Triad

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



38.4779, 45.6991, 59.0174



48.8694, 45.6991, 58.6708



43.3732, 45.6991, 34.4917

Complementary

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



38.4779, 45.6991, 59.0174



37.2541, 33.4887, 28.1682

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.



46.4452, 45.6991, 36.2519



38.4779, 45.6991, 59.0174



49.7090, 45.6991, 49.5798

Square

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



38.4779, 45.6991, 59.0174



46.5585, 45.6991, 66.0452



48.8019, 45.6991, 41.5225



40.4556, 45.6991, 36.3970

Rectangle

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



38.4779, 45.6991, 59.0174



42.4637, 45.6991, 68.6878



48.8019, 45.6991, 41.5225



44.4222, 45.6991, 34.6719

Sweetspot

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



38.4793, 45.7009, 59.0184



86.2427, 94.1797, 108.2408



35.0824, 46.8091, 33.5257



18.1747, 19.9676, 23.1462



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.



38.4793, 45.7009, 59.0184



65.5796, 79.7964, 106.5536



32.7857, 34.3137, 57.1206



10.2633, 11.2179, 12.9092



16.0152, 21.7868, 36.9178



0.7214, 1.0001, 1.6049

Inverse Universe

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



40.8970, 33.3022, 52.4187



70.7189, 54.0639, 92.3852



42.2983, 43.5772, 29.8497



10.4442, 10.2263, 12.4297



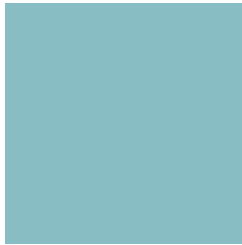
19.4797, 9.4816, 26.2358



0.8565, 0.4156, 1.2117

Previews

White Background



This preview shows how the XYZ color 38.4779, 45.6991, 59.0174 looks on a white background.

Color Contrast Check

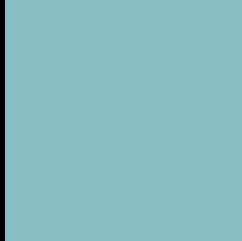
Large Text (above 18pt) WCAG AA × Fail

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 38.4779, 45.6991, 59.0174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

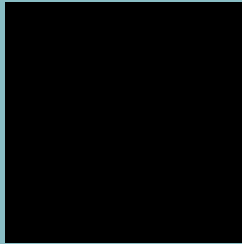
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4779, 45.6991, 59.0174

Background



This preview shows how black text looks on a background with the XYZ color 38.4779, 45.6991, 59.0174.



This preview shows how white text looks on a background with the XYZ color 38.4779, 45.6991,

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

38.4779, 45.6991, 59.0174

Protanopia

44.0370, 45.2618, 55.1306

Deuteranopia

46.3778, 45.4748, 60.3660



Tritanopia

39.4102, 45.7672, 63.2567

Trichromacy



Original Color

38.4779, 45.6991, 59.0174

Protanomaly

41.5522, 45.1542, 56.3948

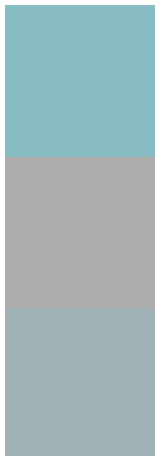
Deuteranomaly

42.8765, 45.1547, 59.8820

Tritanomaly

38.8898, 45.5398, 61.3839

Monochromacy



Original Color

38.4779, 45.6991, 59.0174

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.2615, 43.1947, 50.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4779, 45.6991, 59.0174 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 189, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 189, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.4779, 45.6991, 59.0174 is called "border". The border property can be set on classes, ids or directly on the HTML element.

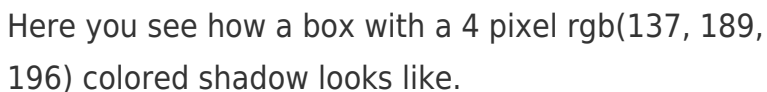
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 189, 196) }
```


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

```
.border{ border-color:rgb(137, 189, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 189, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 189, 196); box-shadow:4px 4px 4px 4px rgb(137, 189, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4779, 45.6991, 59.0174 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, 196) }
```

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

```
.background{ background-color: rgb(137,  
189, 196) }
```

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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