

Converting Colors

XYZ(38.8634, 50.5626, 73.1869)

Have a look what the booklet for
XYZ(38.8634, 50.5626, 73.1869)
contains.

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Color

**XYZ(38.9411, 50.6823,
73.3759)**

Conversions

Conversions Part 1

Format	Color
Hex	60CCD9
RGB	96, 204, 217
RGB Percent	38%, 80%, 85%
CMY	0.6235, 0.2000, 0.1490
CMYK	0.56, 0.06, 0.00, 0.15
HSL	186°, 61%, 61%
HSV	186°, 56%, 85%
XYZ	38.9411, 50.6823, 73.3759
YIQ	173.1900, -68.5410, -18.8530

Conversions

Conversions Part 2

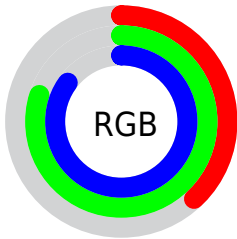
Format	Color
RYB	96, 153, 217
Decimal	6343897
CIELab	76.49, -27.29, -15.89
CIELCh	76, 31.576, 210.206
Yxy	50.6823, 0.2389, 0.3109
Android (android.graphics.Color)	4284533977 (0xFF60CCD9)
YUV	173.1900, 21.5983, -67.6956
Hunter-Lab	71.1915, -26.9473, -11.2752

Details

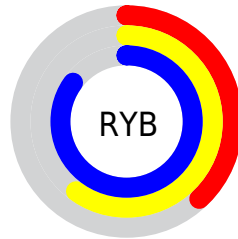
The XYZ color **38.9411, 50.6823, 73.3759** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1963, 26.5346, 14.2816**, and the grayscale version is **39.7372, 41.8066, 45.5274**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **17.5376, 24.2420, 37.9373** is the 20% darker color. If you saturate the color by 10%, you get **36.4159, 48.5652, 73.1013**, and if you desaturate by 10%, it is **42.1078, 53.1446, 73.6852**.

Distribution



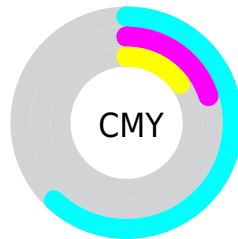
- Red (38%)
- Green (80%)
- Blue (85%)



- Red (38%)
- Yellow (60%)
- Blue (85%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (62%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9411, 50.6823, 73.3759 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 38.9411, 50.6823, 73.3759 by changing the saturation by 10% instead.

■ 38.9411, 50.6823,
73.3759

■ 38.9411, 50.6823,
73.3759

■ 332.8515,
389.3282, 491.4223

■ 26.8944, 35.9558,
53.7897

■ 72.8430, 91.1850,
125.7366

■ 17.6301, 24.4001,
38.0415

■ 95.4289, 117.7300,
159.3481

■ 10.7828, 15.6307,
25.7128

■ 122.2586,
148.9833, 198.4718

■ 5.9872, 9.2632,
16.3851

■ 153.6975,
185.3293, 243.5263

■ 2.8779, 4.9132,
9.6398

■ 190.1108,
227.1524, 294.9300

■ 1.0895, 2.1964,
5.0583

■ 231.8640,

■ 0.0163, 0.7181,

274.8370, 353.1016

2.2222

279.3225,
328.7675, 418.4595

■ 0.0000, 0.0000,
0.6871

■ 0.0000, 0.0000,
0.0000

■ 38.9411, 50.6823,
73.3759

■ 38.9411, 50.6823,
73.3759

■ 36.4159, 48.5652,
73.1013

■ 42.1078, 53.1446,
73.6852

■ 34.4741, 46.7600,
72.8552

■ 45.9584, 55.9708,
74.0277

■ 33.0553, 45.2366,
72.6359

■ 50.5373, 59.1848,
74.4068

■ 32.0830, 43.9556,
72.4399

■ 55.8837, 62.8070,
74.8241

■ 31.7474, 43.4555,
72.3611

■ 62.0340, 66.8561,
75.2815

■ 69.0222, 71.3497,
75.7806

■ 76.8804, 76.3044,
76.3228

■ 80.0595, 78.8597,
76.6484

■ 80.6854, 80.1114,
76.8570

Harmonies

Analogous

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



37.6079, 50.6823, 55.3026



38.9411, 50.6823, 73.3759



42.7052, 50.6823, 88.8033

Triad

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



38.9411, 50.6823, 73.3759



58.8044, 50.6823, 73.1289



48.1308, 50.6823, 28.4647

Complementary

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



38.9411, 50.6823, 73.3759



36.1963, 26.5346, 14.2816

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.



54.0865, 50.6823, 31.3435



38.9411, 50.6823, 73.3759



60.5495, 50.6823, 55.0664

Square

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



38.9411, 50.6823, 73.3759



54.1637, 50.6823, 88.6413



58.7573, 50.6823, 40.2794



42.6393, 50.6823, 31.4246

Rectangle

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



38.9411, 50.6823, 73.3759



46.2510, 50.6823, 94.2037



58.7573, 50.6823, 40.2794



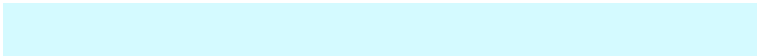
50.1455, 50.6823, 28.7729

Sweetspot

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



38.9427, 50.6842, 73.3771



79.3929, 89.7497, 107.7467



32.3500, 53.1985, 22.7800



16.6463, 18.9769, 23.0355



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.



38.9427, 50.6842, 73.3771



51.9015, 69.4755, 105.2824



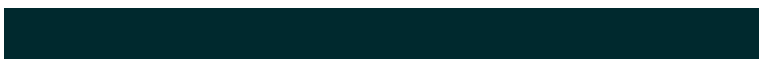
27.3836, 27.5660, 69.5241



13.3192, 14.5781, 16.7640



19.2651, 26.3996, 43.8187



1.2830, 1.7802, 2.8504

Inverse Universe

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



43.6985, 27.4785, 60.1295



59.6564, 33.7177, 83.2140



44.8415, 43.8250, 17.1633



13.5510, 13.2495, 16.1626



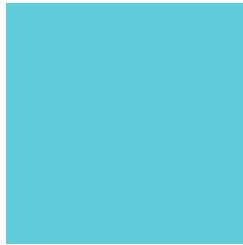
23.2195, 11.2888, 31.8654



1.5219, 0.7384, 2.1573

Previews

White Background



This preview shows how the XYZ color 38.9411, 50.6823, 73.3759 looks on a white background.

Color Contrast Check

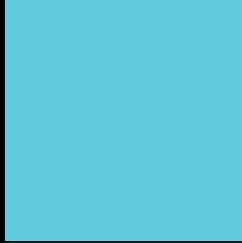
Large Text (above 18pt) WCAG AA × Fail

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 38.9411, 50.6823, 73.3759 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

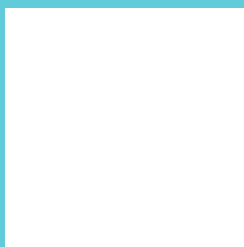
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9411, 50.6823, 73.3759

Background



This preview shows how black text looks on a background with the XYZ color 38.9411, 50.6823, 73.3759.



This preview shows how white text looks on a background with the XYZ color 38.9411, 50.6823,

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

38.9411, 50.6823, 73.3759

Protanopia

48.7071, 49.8883, 65.4548

Deuteranopia

51.1046, 49.9597, 76.0569



Tritanopia

39.4409, 50.8944, 75.4550

Trichromacy



Original Color

38.9411, 50.6823, 73.3759

Protanomaly

43.8397, 49.5654, 68.2292

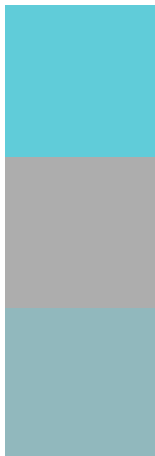
Deuteranomaly

45.0666, 49.3975, 74.8695

Tritanomaly

39.3088, 50.8416, 74.7594

Monochromacy



Original Color

38.9411, 50.6823, 73.3759

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.0029, 43.9748, 54.6291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9411, 50.6823, 73.3759 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(96, 204, 217)` looks like.

```
.text, #text, p{  
    color:rgb(96, 204, 217)  
}
```

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(96, 204, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 204, 217) }
```

Border

The CSS property to change the border of an element to XYZ 38.9411, 50.6823, 73.3759 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(96, 204, 217) }
```


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

```
.border{ border-color:rgb(96, 204, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 204, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 204, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 204, 217);  
box-shadow:4px 4px 4px 4px rgb(96, 204,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9411, 50.6823, 73.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 204, 217) }
```

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

```
.background{ background-color: rgb(96, 204,  
217) }
```

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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