

Converting Colors

XYZ(38.1926, 49.8519, 61.6558)

Have a look what the booklet for
XYZ(38.1926, 49.8519, 61.6558)
contains.

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Color

**XYZ(38.2394, 49.8753,
61.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	71CAC7
RGB	113, 202, 199
RGB Percent	44%, 79%, 78%
CMY	0.5568, 0.2078, 0.2196
CMYK	0.44, 0.00, 0.01, 0.21
HSL	178°, 46%, 62%
HSV	178°, 44%, 79%
XYZ	38.2394, 49.8753, 61.6443
YIQ	175.0470, -52.0810, -19.8010

Conversions

Conversions Part 2

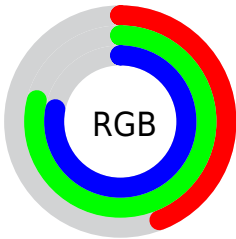
Format	Color
RYB	113, 158, 202
Decimal	7457479
CIELab	75.99, -27.41, -6.84
CIELCh	76, 28.248, 194.023
Yxy	49.8753, 0.2553, 0.3330
Android (android.graphics.Color)	4285647559 (0xFF71CAC7)
YUV	175.0470, 11.8088, -54.4152
Hunter-Lab	70.6224, -26.9382, -2.3168

Details

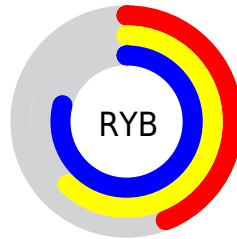
The XYZ color **38.2394, 49.8753, 61.6443** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4164, 25.6293, 19.7105**, and the grayscale version is **40.7333, 42.8546, 46.6686**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **17.2763, 24.0364, 30.5170** is the 20% darker color. If you saturate the color by 10%, you get **35.8457, 48.6516, 61.1213**, and if you desaturate by 10%, it is **41.2148, 51.4012, 62.1986**.

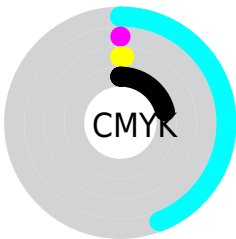
Distribution



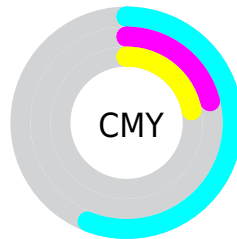
- Red (44%)
- Green (79%)
- Blue (78%)



- Red (44%)
- Yellow (62%)
- Blue (79%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)



- Cyan (56%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2394, 49.8753, 61.6443 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 38.2394, 49.8753, 61.6443 by changing the saturation by 10% instead.

■ 38.2394, 49.8753,
61.6443

■ 38.2394, 49.8753,
61.6443

329.9089,
386.1781, 448.6042

■ 26.3466, 35.3143,
44.3114

■ 71.7765, 89.9901,
108.7779

■ 17.2172, 23.9051,
30.5764

■ 94.1514, 116.3127,
139.4157

■ 10.4857, 15.2632,
20.0208

■ 120.7512,
147.3246, 175.3255

■ 5.7869, 9.0043,
12.2259

151.9411,
183.4103, 216.9259

■ 2.7554, 4.7440,
6.7733

188.0864,
224.9541, 264.6354

■ 1.0257, 2.0979,
3.2445

229.5526,

■ 0.0000, 0.6634,

272.3404, 318.8726

1.2208

276.7050,
325.9536, 380.0561

■ 0.0000, 0.0000,
0.0000

■ 38.2394, 49.8753,
61.6443

■ 38.2394, 49.8753,
61.6443

■ 35.8457, 48.6516,
61.1213

■ 41.2148, 51.4012,
62.1986

■ 33.9904, 47.7043,
60.6242

■ 44.8027, 53.2416,
62.7823

■ 32.6315, 47.0128,
60.1522


■ 49.0370, 55.4152,
63.3981


■ 31.7186, 46.5511,
59.7029

■ 53.9479, 57.9376,
64.0475

■ 31.1907, 46.2880,
59.2734


■ 59.5637, 60.8233,
64.7317

 30.9931, 46.1914,
59.0246

 65.9109, 64.0861,
65.4520

 73.0149, 67.7389,
66.2095

 73.3148, 67.8841,
66.6505

 73.3970, 67.9169,
67.0832

Harmonies

Analogous

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



38.3169, 49.8753, 46.7045



38.2394, 49.8753, 61.6443



40.4868, 49.8753, 77.0684

Triad

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



38.2394, 49.8753, 61.6443



54.8000, 49.8753, 77.9551



50.2486, 49.8753, 30.9148

Complementary

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



38.2394, 49.8753, 61.6443



33.4164, 25.6293, 19.7105

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.



55.0695, 49.8753, 36.5344



38.2394, 49.8753, 61.6443



57.8271, 49.8753, 62.6899

Square

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



38.2394, 49.8753, 61.6443



49.9025, 49.8753, 87.6003



57.9293, 49.8753, 47.5740



44.9922, 49.8753, 30.7393

Rectangle

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



38.2394, 49.8753, 61.6443



43.1045, 49.8753, 84.7884



57.9293, 49.8753, 47.5740



51.9824, 49.8753, 32.1753

Sweetspot

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



38.2409, 49.8773, 61.6455



83.7087, 94.1741, 107.4322



31.4995, 47.2485, 23.0836



17.5481, 19.9676, 22.9437



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.



38.2409, 49.8773, 61.6455



60.8095, 82.4322, 103.5117



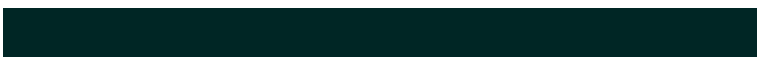
30.3838, 33.5997, 60.7633



11.5263, 12.7203, 14.3289



19.9499, 29.7253, 38.0168



1.0344, 1.5356, 1.9888

Inverse Universe

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



33.4164, 25.6293, 19.7105



51.6024, 36.1225, 23.4572



38.7389, 36.5494, 20.6369



11.2274, 11.2197, 11.7321



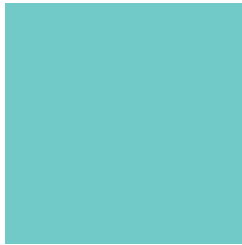
15.7042, 8.0923, 0.8948



0.8156, 0.4197, 0.0751

Previews

White Background



This preview shows how the XYZ color 38.2394, 49.8753, 61.6443 looks on a white background.

Color Contrast Check

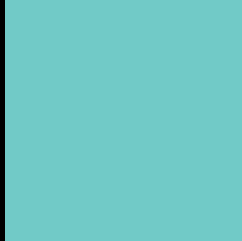
Large Text (above 18pt) WCAG AA × Fail

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 38.2394, 49.8753, 61.6443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

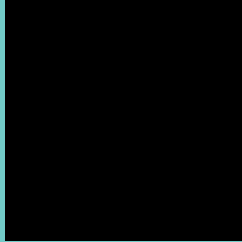
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2394, 49.8753, 61.6443

Background



This preview shows how black text looks on a background with the XYZ color 38.2394, 49.8753, 61.6443.

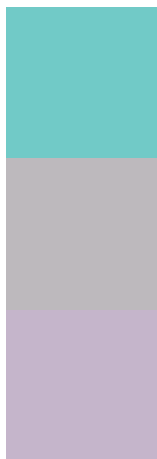


This preview shows how white text looks on a background with the XYZ color 38.2394, 49.8753,

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

38.2394, 49.8753, 61.6443

Protanopia

47.5205, 49.1909, 55.1343

Deuteranopia

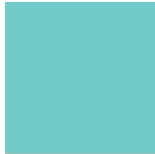
50.3293, 49.2299, 63.3496



Tritanopia

40.2893, 49.6563, 72.4269

Trichromacy



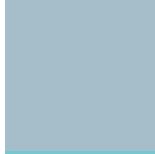
Original Color

38.2394, 49.8753, 61.6443



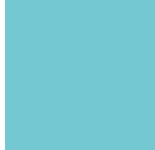
Protanomaly

42.9544, 48.6889, 57.5860



Deuteranomaly

44.5842, 48.7665, 62.9401



Tritanomaly

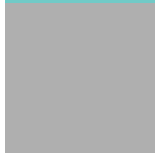
39.4896, 49.6747, 68.4796

Monochromacy



Original Color

38.2394, 49.8753, 61.6443



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.9496, 44.8340, 51.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2394, 49.8753, 61.6443 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(113, 202, 199)` looks like.

```
.text, #text, p{  
    color:rgb(113, 202, 199)  
}
```

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(113, 202, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 202, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.2394, 49.8753, 61.6443 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(113, 202, 199) }
```


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

```
.border{ border-color:rgb(113, 202, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 202, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 202, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 202, 199);  
box-shadow:4px 4px 4px 4px rgb(113, 202,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2394, 49.8753, 61.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 202, 199) }
```

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

```
.background{ background-color: rgb(113,  
202, 199) }
```

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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