

Converting Colors

XYZ(38.5938, 49.2129, 68.4377)

Have a look what the booklet for
XYZ(38.5938, 49.2129, 68.4377)
contains.

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Color

**XYZ(38.5938, 49.2129,
68.4377)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC8D2
RGB	109, 200, 210
RGB Percent	43%, 78%, 82%
CMY	0.5725, 0.2157, 0.1765
CMYK	0.48, 0.05, 0.00, 0.18
HSL	186°, 53%, 63%
HSV	186°, 48%, 82%
XYZ	38.5938, 49.2129, 68.4377
YIQ	173.9310, -57.4460, -16.1820

Conversions

Conversions Part 2

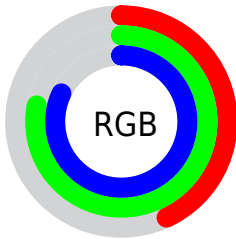
Format	Color
RYB	109, 157, 210
Decimal	7194834
CIELab	75.58, -24.51, -13.42
CIELCh	76, 27.938, 208.702
Yxy	49.2129, 0.2470, 0.3150
Android (android.graphics.Color)	4285384914 (0xFF6DC8D2)
YUV	173.9310, 17.7820, -56.9445
Hunter-Lab	70.1519, -24.5648, -8.7349

Details

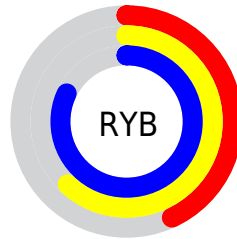
The XYZ color **38.5938, 49.2129, 68.4377** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.9364, 28.0003, 17.9798**, and the grayscale version is **40.1307, 42.2207, 45.9783**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **17.4986, 23.5864, 35.0829** is the 20% darker color. If you saturate the color by 10%, you get **35.8348, 47.0818, 68.1726**, and if you desaturate by 10%, it is **41.9795, 51.6790, 68.7361**.

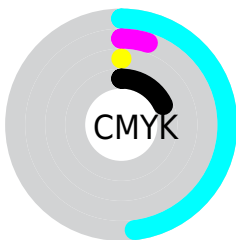
Distribution



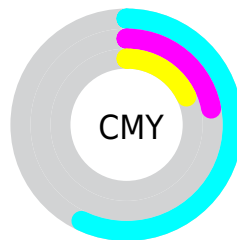
- Red (43%)
- Green (78%)
- Blue (82%)



- Red (43%)
- Yellow (62%)
- Blue (82%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5938, 49.2129, 68.4377 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 38.5938, 49.2129, 68.4377 by changing the saturation by 10% instead.

■ 38.5938, 49.2129,
68.4377

■ 38.5938, 49.2129,
68.4377

331.3974,
383.5799, 473.6854

■ 26.6232, 34.7884,
49.7850

■ 72.3154, 89.0076,
118.6382

■ 17.4255, 23.4999,
34.8726

■ 94.7971, 115.1465,
151.0231

■ 10.6355, 14.9631,
23.2820

■ 121.5132,
145.9591, 188.8225

■ 5.8878, 8.7935,
14.5946

152.8291,
181.8297, 232.4549

■ 2.8170, 4.6067,
8.3919

189.1101,
223.1426, 282.3388

■ 1.0577, 2.0184,
4.2554

230.7216,

■ 0.0000, 0.6181,

270.2824, 338.8928

1.7665

278.0289,
323.6333, 402.5355

■ 0.0000, 0.0000,
0.4057

■ 0.0000, 0.0000,
0.0000

■ 38.5938, 49.2129,
68.4377

■ 38.5938, 49.2129,
68.4377

■ 35.8348, 47.0818,
68.1726

■ 41.9795, 51.6790,
68.7361

■ 33.6532, 45.2569,
67.9354

■ 46.0276, 54.4953,
69.0664

■ 31.9998, 43.7139,
67.7247

■ 50.7765, 57.6827,
69.4313

■ 30.8152, 42.4223,
67.5378

■ 56.2603, 61.2587,
69.8325

■ 30.0120, 41.3368,
67.3706

■ 62.5110, 65.2399,
70.2715

■ 29.8764, 41.1399,
67.3398

■ 69.5585, 69.6419,
70.7497

■ 77.0604, 74.2880,
71.2511

■ 77.5917, 75.3506,
71.4282

■ 78.1298, 76.4267,
71.6076

Harmonies

Analogous

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



37.5325, 49.2129, 52.9426



38.5938, 49.2129, 68.4377



41.8034, 49.2129, 81.7477

Triad

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



38.5938, 49.2129, 68.4377



55.7851, 49.2129, 69.7601



47.0008, 49.2129, 29.8823

Complementary

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



38.5938, 49.2129, 68.4377



35.9364, 28.0003, 17.9798

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.



52.1267, 49.2129, 32.7700



38.5938, 49.2129, 68.4377



57.4233, 49.2129, 54.2315

Square

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



38.5938, 49.2129, 68.4377



51.7089, 49.2129, 82.6047



56.0385, 49.2129, 41.0527



42.1661, 49.2129, 32.3079

Rectangle

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



38.5938, 49.2129, 68.4377



44.8565, 49.2129, 86.5953



56.0385, 49.2129, 41.0527



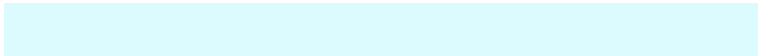
48.7482, 49.2129, 30.2523

Sweetspot

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



38.5953, 49.2148, 68.4389



81.9967, 91.6125, 107.9690



32.5899, 50.6396, 25.0164



17.1651, 19.3559, 23.0813



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.



38.5953, 49.2148, 68.4389



55.3913, 72.8837, 105.7563



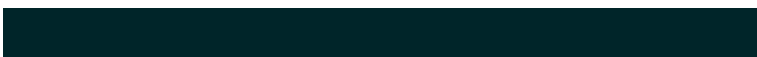
29.0208, 30.0658, 65.2474



12.0542, 13.1987, 15.1559



18.2657, 25.1779, 41.0896



1.0509, 1.4670, 2.3073

Inverse Universe

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



42.4736, 28.8104, 57.9680



62.2897, 38.1089, 86.7906



43.3270, 42.7815, 20.4434



12.2583, 11.9880, 14.6358



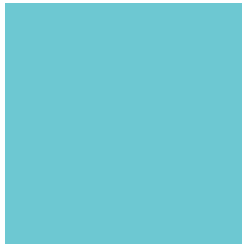
21.8504, 10.6130, 30.4480



1.2367, 0.5994, 1.7812

Previews

White Background



This preview shows how the XYZ color 38.5938, 49.2129, 68.4377 looks on a white background.

Color Contrast Check

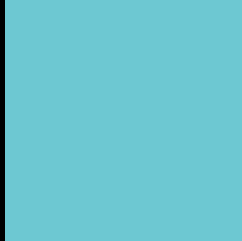
Large Text (above 18pt) WCAG AA × Fail

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 38.5938, 49.2129, 68.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

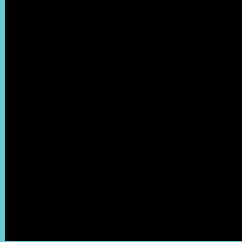
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5938, 49.2129, 68.4377

Background



This preview shows how black text looks on a background with the XYZ color 38.5938, 49.2129, 68.4377.

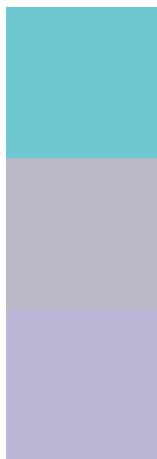


This preview shows how white text looks on a background with the XYZ color 38.5938, 49.2129,

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

38.5938, 49.2129, 68.4377

Protanopia

47.3330, 48.6415, 61.5376

Deuteranopia

49.6477, 48.7216, 70.4058



Tritanopia

39.2447, 49.1327, 71.7051

Trichromacy



Original Color

38.5938, 49.2129, 68.4377

Protanomaly

43.2172, 48.3546, 64.1823

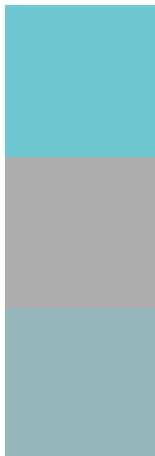
Deuteranomaly

44.4907, 48.2441, 69.9179

Tritanomaly

38.8641, 48.9659, 70.3538

Monochromacy



Original Color

38.5938, 49.2129, 68.4377

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.4808, 43.9389, 53.4666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5938, 49.2129, 68.4377 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(109, 200, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 200, 210)  
}
```

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(109, 200, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 200, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.5938, 49.2129, 68.4377 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(109, 200, 210) }
```


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

```
.border{ border-color:rgb(109, 200, 210) }
```

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

Here you see how a box with a 4 pixel rgb(109, 200, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 200, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 200, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 200,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5938, 49.2129, 68.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 200, 210) }
```

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

```
.background{ background-color: rgb(109,  
200, 210) }
```

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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