

Converting Colors

XYZ(37.9988, 49.1150, 69.9077)

Have a look what the booklet for
XYZ(37.9988, 49.1150, 69.9077)
contains.

XYZ(38.0258, 49.2361, 69.7867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0258, 49.2361,
69.7867)**

Conversions

Conversions Part 1

Format	Color
Hex	64C9D4
RGB	100, 201, 212
RGB Percent	39%, 79%, 83%
CMY	0.6078, 0.2118, 0.1686
CMYK	0.53, 0.05, 0.00, 0.17
HSL	186°, 57%, 61%
HSV	186°, 53%, 83%
XYZ	38.0258, 49.2361, 69.7867
YIQ	172.0550, -63.7270, -17.9910

Conversions

Conversions Part 2

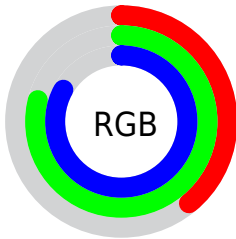
Format	Color
RYB	100, 153, 212
Decimal	6605268
CIELab	75.60, -26.39, -14.51
CIElCh	76, 30.119, 208.802
Yxy	49.2361, 0.2421, 0.3135
Android (android.graphics.Color)	4284795348 (0xFF64C9D4)
YUV	172.0550, 19.6929, -63.1922
Hunter-Lab	70.1684, -26.0617, -9.8495

Details

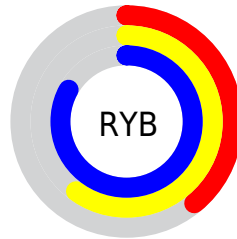
The XYZ color **38.0258, 49.2361, 69.7867** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1370, 26.2869, 15.2797**, and the grayscale version is **39.1684, 41.2083, 44.8758**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **17.1152, 23.6088, 35.5532** is the 20% darker color. If you saturate the color by 10%, you get **35.4974, 47.2182, 69.5313**, and if you desaturate by 10%, it is **41.1738, 51.5854, 70.0751**.

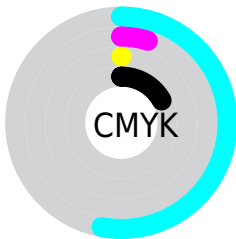
Distribution



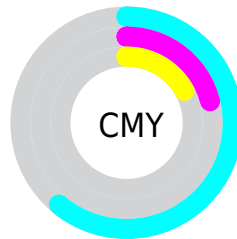
- Red (39%)
- Green (79%)
- Blue (83%)



- Red (39%)
- Yellow (60%)
- Blue (83%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0258, 49.2361, 69.7867 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 38.0258, 49.2361, 69.7867 by changing the saturation by 10% instead.

■ 38.0258, 49.2361,
69.7867

■ 38.0258, 49.2361,
69.7867

329.0096,
383.6711, 478.5696

■ 26.1800, 34.8068,
50.8769

■ 71.4513, 89.0420,
120.5828

■ 17.0917, 23.5141,
35.7346

■ 93.7618, 115.1874,
153.3062

■ 10.3956, 14.9736,
23.9412

■ 120.2912,
146.0070, 191.4712

■ 5.7263, 8.8008,
15.0782

■ 151.4048,
181.8851, 235.4964

■ 2.7185, 4.6115,
8.7271

187.4682,
223.2062, 285.8003

■ 1.0067, 2.0212,
4.4692

228.8465,

■ 0.0000, 0.6197,

270.3546, 342.8014

1.8861

275.9052,
323.7148, 406.9183

■ 0.0000, 0.0000,
0.4839

■ 0.0000, 0.0000,
0.0000

■ 38.0258, 49.2361,
69.7867

■ 38.0258, 49.2361,
69.7867

■ 35.4974, 47.2182,
69.5313

■ 41.1738, 51.5854,
70.0751

■ 33.5357, 45.5010,
69.3033

■ 44.9801, 54.2828,
70.3952

■ 32.0865, 44.0577,
69.1011

■ 49.4855, 57.3504,
70.7498

■ 31.0826, 42.8536,
68.9216

■ 54.7261, 60.8070,
71.1408

■ 30.5546, 42.0950,
68.8030

■ 60.7358, 64.6699,
71.5697

■ 67.5460, 68.9555,
72.0379

■ 75.1866, 73.6791,
72.5470

■ 78.1066, 75.9792,
72.8370

■ 78.6488, 77.0635,
73.0177

Harmonies

Analogous

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



36.8857, 49.2361, 52.9710



38.0258, 49.2361, 69.7867



41.4660, 49.2361, 84.3594

Triad

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



38.0258, 49.2361, 69.7867



56.5694, 49.2361, 71.1193



47.0217, 49.2361, 28.4194

Complementary

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



38.0258, 49.2361, 69.7867



35.1370, 26.2869, 15.2797

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.



52.5673, 49.2361, 31.4204



38.0258, 49.2361, 69.7867



58.3425, 49.2361, 54.2536

Square

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



38.0258, 49.2361, 69.7867



52.1493, 49.2361, 85.2299



56.8238, 49.2361, 40.1484



41.8249, 49.2361, 30.9734

Rectangle

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



38.0258, 49.2361, 69.7867



44.7482, 49.2361, 89.6785



56.8238, 49.2361, 40.1484



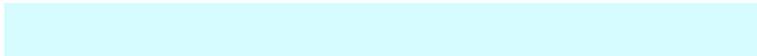
48.9083, 49.2361, 28.7992

Sweetspot

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



38.0273, 49.2380, 69.7879



80.3351, 90.5365, 107.8489



31.5784, 50.9086, 22.7255



16.8375, 19.1431, 23.0575



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.



38.0273, 49.2380, 69.7879



53.6343, 71.4827, 105.5785



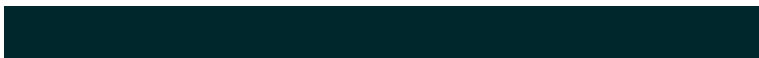
27.5223, 28.2281, 66.2862



12.6831, 13.8897, 15.9500



18.9040, 26.0698, 42.4888



1.1711, 1.6342, 2.5730

Inverse Universe

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



42.2524, 27.3297, 58.3086



60.8871, 35.5731, 85.4924



42.9681, 41.9491, 17.8901



12.8980, 12.6107, 15.4031



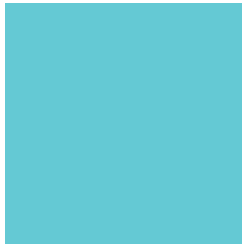
22.6007, 10.9766, 31.5311



1.3788, 0.6683, 1.9839

Previews

White Background



This preview shows how the XYZ color 38.0258, 49.2361, 69.7867 looks on a white background.

Color Contrast Check

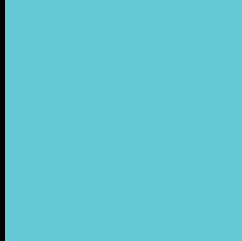
Large Text (above 18pt) WCAG AA × Fail

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 38.0258, 49.2361, 69.7867 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 38.0258, 49.2361, 69.7867

Background



This preview shows how black text looks on a background with the XYZ color 38.0258, 49.2361, 69.7867.



This preview shows how white text looks on a background with the XYZ color 38.0258, 49.2361,

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

38.0258, 49.2361, 69.7867

Protanopia

47.4503, 48.6884, 62.1552

Deuteranopia

49.6576, 48.6970, 71.7480



Tritanopia

38.5284, 49.0912, 72.4106

Trichromacy



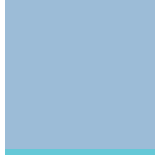
Original Color

38.0258, 49.2361, 69.7867



Protanomaly

42.5698, 48.0070, 64.7802



Deuteranomaly

43.9593, 47.9407, 71.2265



Tritanomaly

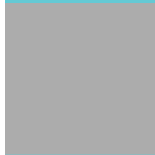
38.2868, 48.9816, 71.7264

Monochromacy



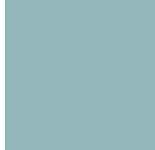
Original Color

38.0258, 49.2361, 69.7867



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.7572, 43.5658, 53.4327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0258, 49.2361, 69.7867 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(100, 201, 212)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 212)  
}
```

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(100, 201, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.0258, 49.2361, 69.7867 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(100, 201, 212) }
```


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

```
.border{ border-color:rgb(100, 201, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 201, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 212);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0258, 49.2361, 69.7867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 212) }
```

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

```
.background{ background-color: rgb(100,  
201, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor