

# Converting Colors

XYZ(38.3656, 48.7381, 69.0133)

Have a look what the booklet for  
XYZ(38.3656, 48.7381, 69.0133)  
contains.

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# Color

**XYZ(38.3656, 48.7381,  
69.0133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC7D3
RGB	108, 199, 211
RGB Percent	42%, 78%, 83%
CMY	0.5765, 0.2196, 0.1725
CMYK	0.49, 0.06, 0.00, 0.17
HSL	187°, 54%, 63%
HSV	187°, 49%, 83%
XYZ	38.3656, 48.7381, 69.0133
YIQ	173.1590, -58.0880, -15.5600

# Conversions

## Conversions Part 2

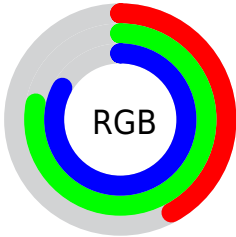
Format	Color
R <sub>Y</sub> B	108, 156, 211
Decimal	7129043
CIE Lab	75.29, -23.96, -14.41
CIE LCh	75, 27.960, 211.013
Yxy	48.7381, 0.2457, 0.3122
Android (android.graphics.Color)	4285319123 (0xFF6CC7D3)
YUV	173.1590, 18.6556, -57.1444
Hunter-Lab	69.8127, -24.0774, -9.7422

# Details

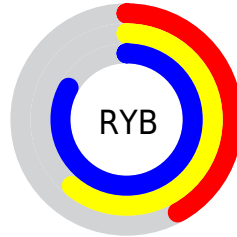
The XYZ color **38.3656, 48.7381, 69.0133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2881, 28.3655, 17.7511**, and the grayscale version is **39.7319, 41.8011, 45.5214**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **17.2529, 23.2319, 35.0274** is the 20% darker color. If you saturate the color by 10%, you get **35.5427, 46.4511, 68.7215**, and if you desaturate by 10%, it is **41.8215, 51.3672, 69.3395**.

# Distribution



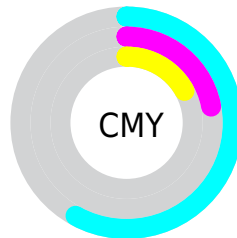
- Red (42%)
- Green (78%)
- Blue (83%)



- Red (42%)
- Yellow (61%)
- Blue (83%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)




- Cyan (58%)
- Magenta (22%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3656, 48.7381, 69.0133 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 38.3656, 48.7381, 69.0133 by changing the saturation by 10% instead.




 38.3656, 48.7381,  
69.0133


 38.3656, 48.7381,  
69.0133


330.4395,  
381.7104, 475.7731


 26.4451, 34.4118,  
50.2507


 71.9685, 88.3024,  
119.4685

 17.2913, 23.2101,  
35.2401

 94.3815, 114.3091,  
151.9981

 10.5390, 14.7487,  
23.5628


 121.0227,  
144.9780, 189.9539

 5.8228, 8.6432,  
14.8005

152.2575,  
180.6936, 233.7543

 2.7772, 4.5092,  
8.5344

188.4513,  
221.8403, 283.8178

 1.0371, 1.9623,  
4.3461

229.9693,

 0.0000, 0.5854,

268.8023, 340.5631

1.8171

277.1769,  
321.9642, 404.4087

■ 0.0000, 0.0000,  
0.4392

■ 0.0000, 0.0000,  
0.0000

■ 38.3656, 48.7381,  
69.0133

■ 38.3656, 48.7381,  
69.0133

■ 35.5427, 46.4511,  
68.7215

■ 41.8215, 51.3672,  
69.3395

■ 33.3029, 44.4771,  
68.4586


■ 45.9471, 54.3540,  
69.6986


■ 31.5956, 42.7911,  
68.2231


■ 50.7813, 57.7198,  
70.0934


■ 30.3599, 41.3616,  
68.0123


■ 56.3590, 61.4826,  
70.5258


 29.4990, 40.1386,  
67.8216


 62.7125, 65.6592,  
70.9971

 29.4059, 39.9990,  
67.7996

 69.8724, 70.2654,  
71.5088

 77.6074, 75.1820,  
72.0501

 78.2427, 76.4526,  
72.2618

 78.8874, 77.7420,  
72.4767

# Harmonies

## Analogous

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



37.1354, 48.7381, 53.5689



38.3656, 48.7381, 69.0133



41.7014, 48.7381, 81.8494

# Triad

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



38.3656, 48.7381, 69.0133



55.5101, 48.7381, 67.9869



46.1498, 48.7381, 29.5156

# Complementary

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



38.3656, 48.7381, 69.0133



36.2881, 28.3655, 17.7511

# 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.



51.2764, 48.7381, 31.9739



38.3656, 48.7381, 69.0133



56.9157, 48.7381, 52.5692

# Square

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



38.3656, 48.7381, 69.0133



51.6006, 48.7381, 81.1839



55.3135, 48.7381, 39.7891



41.4202, 48.7381, 32.3319



# Rectangle

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



38.3656, 48.7381, 69.0133



44.7985, 48.7381, 86.1899



55.3135, 48.7381, 39.7891



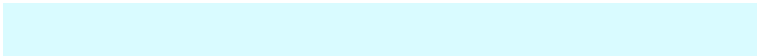
47.8839, 48.7381, 29.7480

# Sweetspot

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



38.3671, 48.7400, 69.0145



80.9460, 90.6434, 107.8374



32.7676, 51.0928, 25.3694



16.9481, 19.1448, 23.0520



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.



38.3671, 48.7400, 69.0145



54.2446, 71.0394, 105.4607



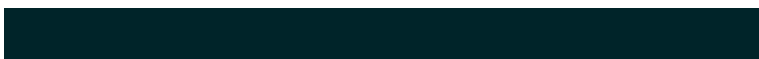
28.7226, 29.4509, 65.7996



12.0359, 13.1621, 15.1498



17.7951, 24.2368, 40.9328



1.0291, 1.4233, 2.3001



# Inverse Universe

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



42.5366, 28.6988, 57.3323



61.6013, 37.4139, 84.4593



43.9091, 43.6074, 20.2914



12.2490, 11.9843, 14.5872



21.6129, 10.5180, 29.1972

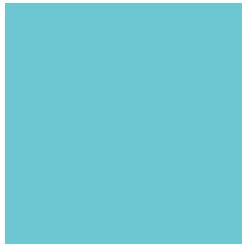


1.2257, 0.5950, 1.7231



# Previews

## White Background



This preview shows how the XYZ color 38.3656, 48.7381, 69.0133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

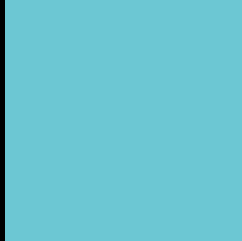
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3656, 48.7381, 69.0133 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 38.3656, 48.7381, 69.0133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3656, 48.7381, 69.0133.



This preview shows how white text looks on a background with the XYZ color 38.3656, 48.7381,



# 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

38.3656, 48.7381, 69.0133

### Protanopia

47.0045, 48.1513, 62.0751

### Deuteranopia

49.3260, 48.2402, 71.0015



## Tritanopia

38.6384, 48.4944, 70.9422

# Trichromacy



## Original Color

38.3656, 48.7381, 69.0133

## Protanomaly

42.9273, 47.8709, 64.7351

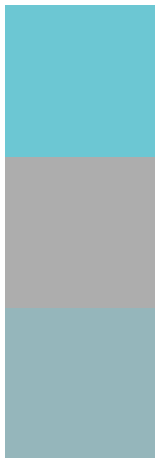
## Deuteranomaly

44.2060, 47.7666, 70.5083

## Tritanomaly

38.5110, 48.4435, 70.2716

# Monochromacy



## Original Color

38.3656, 48.7381, 69.0133

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

38.0920, 43.4333, 53.3895

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3656, 48.7381, 69.0133 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(108, 199, 211)` looks like.

```
.text, #text, p{  
    color:rgb(108, 199, 211)  
}
```

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(108, 199, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 199, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3656, 48.7381, 69.0133 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(108, 199, 211) }
```



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

```
.border{ border-color:rgb(108, 199, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 199, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 199, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 199, 211);  
box-shadow:4px 4px 4px 4px rgb(108, 199,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3656, 48.7381, 69.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 199, 211) }
```

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

```
.background{ background-color: rgb(108,  
199, 211) }
```

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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