

# Converting Colors

XYZ(30.2453, 38.3353, 67.4752)

Have a look what the booklet for  
XYZ(30.2453, 38.3353, 67.4752)  
contains.

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# Color

**XYZ(30.3259, 38.5039,  
67.4617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42B4D3
RGB	66, 180, 211
RGB Percent	26%, 71%, 83%
CMY	0.7411, 0.2941, 0.1725
CMYK	0.69, 0.15, 0.00, 0.17
HSL	193°, 62%, 54%
HSV	193°, 69%, 83%
XYZ	30.3259, 38.5039, 67.4617
YIQ	149.4480, -77.8950, -14.5270

# Conversions

## Conversions Part 2

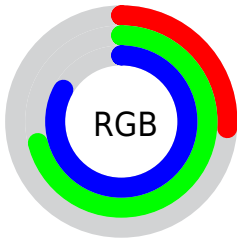
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 130, 211
Decimal	4371667
CIELab	68.39, -22.09, -25.00
CIELCh	68, 33.363, 228.536
Yxy	38.5039, 0.2225, 0.2825
Android (android.graphics.Color)	4282561747 (0xFF42B4D3)
YUV	149.4480, 30.3451, -73.1839
Hunter-Lab	62.0515, -21.3534, -21.0234

# Details

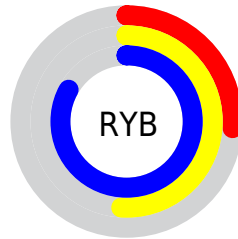
The XYZ color **30.3259, 38.5039, 67.4617** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **32.1234, 22.7933, 7.8621**, and the grayscale version is **28.6569, 30.1493, 32.8326**.

A 20% lighter version of the original color is **57.4055, 72.0362, 105.4865**, and **13.5901, 17.5790, 34.1293** is the 20% darker color. If you saturate the color by 10%, you get **28.2620, 36.1106, 67.1093**, and if you desaturate by 10%, it is **32.9461, 41.2295, 67.8504**.

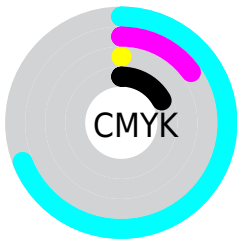
# Distribution



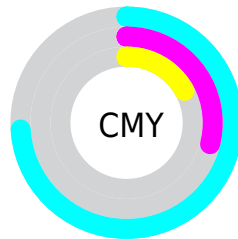
- Red (26%)
- Green (71%)
- Blue (83%)



- Red (26%)
- Yellow (51%)
- Blue (83%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (74%)
- Magenta (29%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3259, 38.5039, 67.4617 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 30.3259, 38.5039, 67.4617 by changing the saturation by 10% instead.



■ 30.3259, 38.5039,  
67.4617

■ 30.3259, 38.5039,  
67.4617

295.3032,  
339.7767, 470.1326

■ 20.2354, 26.3740,  
48.9960

■ 59.5603, 72.8798,  
117.2287

■ 12.6755, 17.1037,  
34.2507

■ 79.4349, 95.8947,  
149.3670

■ 7.2809, 10.3084,  
22.8073

■ 103.3015,  
123.3066, 186.8999

■ 3.6863, 5.6039,  
14.2474

■ 131.5256,  
155.5000, 230.2460

■ 1.5262, 2.6058,  
8.1522

■ 164.4725,  
192.8594, 279.8237

■ 0.3436, 0.9296,  
4.1033

202.5074,

■ 0.0000, 0.0000,

235.7690, 336.0517

1.6822

245.9959,  
284.6133, 399.3485

■ 0.0000, 0.0000,  
0.3485

■ 0.0000, 0.0000,  
0.0000

■ 30.3259, 38.5039,  
67.4617

■ 30.3259, 38.5039,  
67.4617

■ 28.2620, 36.1106,  
67.1093

■ 32.9461, 41.2295,  
67.8504

■ 26.6894, 34.0134,  
66.7874


■ 36.1708, 44.3103,  
68.2751


■ 25.5136, 32.1640,  
66.4924


■ 40.0470, 47.7719,  
68.7390


■ 25.3743, 31.9357,  
66.4556


■ 44.6160, 51.6358,  
69.2440

 49.9156, 55.9219,  
69.7920

 55.9806, 60.6486,  
70.3846

 62.8437, 65.8331,  
71.0236

 70.5356, 71.4916,  
71.7104

 78.7496, 77.4665,  
72.4308

# Harmonies

## Analogous

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



27.8556, 38.5039, 51.7769



30.3259, 38.5039, 67.4617



34.6318, 38.5039, 77.0152

# Triad

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



30.3259, 38.5039, 67.4617



47.3794, 38.5039, 47.9210



33.4880, 38.5039, 20.0948

# Complementary

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



30.3259, 38.5039, 67.4617



32.1234, 22.7933, 7.8621

# 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.



38.6348, 38.5039, 19.5361



30.3259, 38.5039, 67.4617



46.9985, 38.5039, 33.4081

# Square

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



30.3259, 38.5039, 67.4617



44.6734, 38.5039, 64.0657



43.6776, 38.5039, 23.8136



29.5575, 38.5039, 25.5811



# Rectangle

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



30.3259, 38.5039, 67.4617



38.1120, 38.5039, 77.3996



43.6776, 38.5039, 23.8136



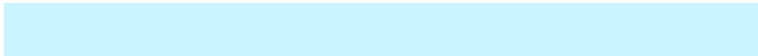
35.1223, 38.5039, 19.3828

# Sweetspot

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



30.3272, 38.5053, 67.4626



74.4744, 84.1316, 106.9215



27.6078, 48.5740, 18.7489



15.4471, 17.6102, 22.8349



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.



30.3272, 38.5053, 67.4626



42.2918, 54.0377, 102.8090



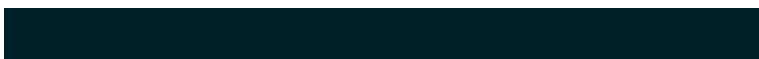
19.5283, 16.9075, 63.8630



11.9349, 12.9601, 15.1162



15.3904, 19.4273, 40.1312



0.9153, 1.1959, 2.2622



# Inverse Universe

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



37.0515, 21.0419, 45.2900



53.8828, 27.8741, 63.7062



41.7591, 42.0648, 11.0740



12.1981, 11.9640, 14.3187



20.3991, 10.0325, 22.8054



1.1683, 0.5720, 1.4208



# Previews

## White Background



This preview shows how the XYZ color 30.3259, 38.5039, 67.4617 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 30.3259, 38.5039, 67.4617 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 30.3259, 38.5039, 67.4617

## Background



This preview shows how black text looks on a background with the XYZ color 30.3259, 38.5039, 67.4617.



This preview shows how white text looks on a background with the XYZ color 30.3259, 38.5039,



# 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

30.3259, 38.5039, 67.4617

### Protanopia

37.8013, 37.9902, 59.9841

### Deuteranopia

38.8805, 38.0692, 69.5889



## Tritanopia

28.5509, 38.3867, 58.7279

# Trichromacy



**Original Color**

30.3259, 38.5039, 67.4617

**Protanomaly**

33.7313, 37.4691, 62.5812

**Deuteranomaly**

34.4939, 37.4419, 69.0273

**Tritanomaly**

29.1090, 38.3041, 61.7363

# Monochromacy



**Original Color**

30.3259, 38.5039, 67.4617

**Achromatopsia**

28.5667, 30.0544, 32.7292

**Achromatomaly**

27.6249, 32.0421, 43.7585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3259, 38.5039, 67.4617 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(66, 180, 211)` looks like.

```
.text, #text, p{  
    color:rgb(66, 180, 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(66, 180, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 180, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3259, 38.5039, 67.4617 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(66, 180, 211) }
```



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

```
.border{ border-color:rgb(66, 180, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 180, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 180, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 180, 211);  
box-shadow:4px 4px 4px 4px rgb(66, 180,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3259, 38.5039, 67.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 180, 211) }
```

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

```
.background{ background-color: rgb(66, 180,  
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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