

# Converting Colors

XYZ(38.1675, 45.6207, 75.6432)

Have a look what the booklet for  
XYZ(38.1675, 45.6207, 75.6432)  
contains.

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# Color

**XYZ(38.1538, 45.4803,  
75.8749)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6FBEDE
RGB	111, 190, 222
RGB Percent	44%, 75%, 87%
CMY	0.5647, 0.2549, 0.1294
CMYK	0.50, 0.14, 0.00, 0.13
HSL	197°, 63%, 65%
HSV	197°, 50%, 87%
XYZ	38.1538, 45.4803, 75.8749
YIQ	170.0270, -57.3560, -6.7960

# Conversions

## Conversions Part 2

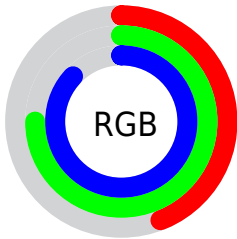
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 157, 222
Decimal	7323358
CIELab	73.21, -15.67, -23.51
CIELCh	73, 28.255, 236.307
Yxy	45.4803, 0.2392, 0.2851
Android (android.graphics.Color)	4285513438 (0xFF6FBEDE)
YUV	170.0270, 25.6227, -51.7667
Hunter-Lab	67.4391, -17.0317, -19.4991

# Details

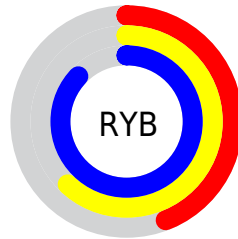
The XYZ color **38.1538, 45.4803, 75.8749** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.8171, 36.3235, 19.7949**, and the grayscale version is **38.1201, 40.1053, 43.6746**.

A 20% lighter version of the original color is **67.3680, 81.5666, 106.8010**, and **17.2361, 21.3595, 39.7736** is the 20% darker color. If you saturate the color by 10%, you get **34.3442, 41.5045, 75.3091**, and if you desaturate by 10%, it is **42.7212, 49.9391, 76.4956**.

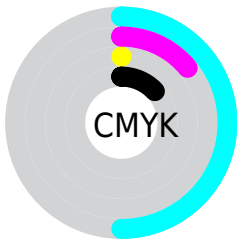
# Distribution



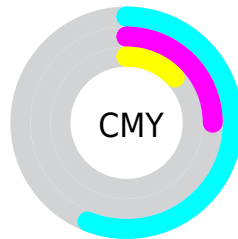
- Red (44%)
- Green (75%)
- Blue (87%)



- Red (44%)
- Yellow (62%)
- Blue (87%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (25%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1538, 45.4803, 75.8749 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 38.1538, 45.4803, 75.8749 by changing the saturation by 10% instead.



■ 38.1538, 45.4803,  
75.8749

■ 38.1538, 45.4803,  
75.8749

329.5487,  
368.7153, 500.2548

■ 26.2798, 31.8359,  
55.8239

■ 71.6462, 83.4407,  
129.3085

■ 17.1669, 21.2362,  
39.6587

■ 93.9953, 108.5255,  
163.5282

■ 10.4496, 13.2968,  
26.9608

■ 120.5669,  
138.1925, 203.3079

■ 5.7626, 7.6332,  
17.3116

151.7263,  
172.8262, 249.0661

■ 2.7405, 3.8612,  
10.2926

187.8388,  
212.8109, 301.2213

■ 1.0181, 1.5962,  
5.4853

229.2698,

■ 0.0000, 0.3550,

258.5311, 360.1922

2.4710

276.3846,  
310.3711, 426.3971

■ 0.0000, 0.0000,  
0.8247

■ 0.0000, 0.0000,  
0.0000

■ 38.1538, 45.4803,  
75.8749

■ 38.1538, 45.4803,  
75.8749

■ 34.3442, 41.5045,  
75.3091

■ 42.7212, 49.9391,  
76.4956

■ 31.2350, 37.9779,  
74.7923


■ 48.0899, 54.9015,  
77.1705


■ 28.7669, 34.8700,  
74.3225


■ 54.3049, 60.3928,  
77.9029


■ 26.8681, 32.1424,  
73.8961


■ 61.4067, 66.4349,  
78.6948


 25.4125, 29.7289,  
73.5069


 69.4329, 73.0484,  
79.5483

 25.4122, 29.7284,  
73.5069

 78.4189, 80.2524,  
80.4652

 84.0767, 85.8375,  
81.2451

 85.9402, 89.5644,  
81.8662

 87.8702, 93.4244,  
82.5095

# Harmonies

## Analogous

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



35.2355, 45.4803, 62.6266



38.1538, 45.4803, 75.8749



42.6167, 45.4803, 82.0531

# Triad

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



38.1538, 45.4803, 75.8749



53.4517, 45.4803, 51.2992



39.1405, 45.4803, 28.8630

# Complementary

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



38.1538, 45.4803, 75.8749



42.8171, 36.3235, 19.7949

# 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.



43.8444, 45.4803, 26.9732



38.1538, 45.4803, 75.8749



52.3452, 45.4803, 38.3834

# Square

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



38.1538, 45.4803, 75.8749



51.6509, 45.4803, 66.2556



48.7325, 45.4803, 30.1071



35.7739, 45.4803, 35.8709



# Rectangle

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



38.1538, 45.4803, 75.8749



45.9589, 45.4803, 80.6038



48.7325, 45.4803, 30.1071



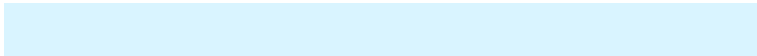
40.6068, 45.4803, 27.6736

# Sweetspot

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



38.1553, 45.4820, 75.8760



78.9336, 86.6187, 107.1666



37.5944, 57.5897, 34.9048



16.4597, 18.1680, 22.8892



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.



38.1553, 45.4820, 75.8760



46.7971, 56.5800, 103.0623



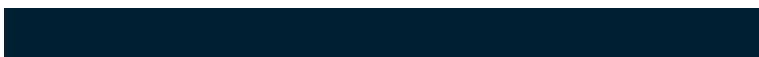
28.4127, 25.9969, 72.6285



13.7653, 14.8698, 17.5323



15.1939, 17.8573, 43.6944



1.1288, 1.3890, 3.0539



# Inverse Universe

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



45.1042, 30.6176, 52.2494



57.7358, 35.4605, 65.3591



53.1772, 57.0438, 23.2482



14.1178, 13.8647, 16.3903



21.6094, 10.7107, 20.4065



1.5360, 0.7577, 1.6154



# Previews

## White Background



This preview shows how the XYZ color 38.1538, 45.4803, 75.8749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

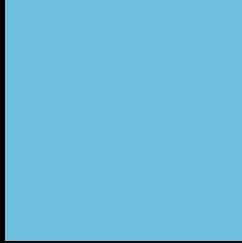
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1538, 45.4803, 75.8749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

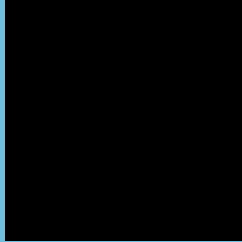
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.1538, 45.4803, 75.8749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1538, 45.4803, 75.8749.



This preview shows how white text looks on a background with the XYZ color 38.1538, 45.4803,



# 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

38.1538, 45.4803, 75.8749

### Protanopia

44.5270, 44.9063, 69.2717

### Deuteranopia

45.9338, 44.8668, 77.4734



## Tritanopia

36.1787, 45.3175, 66.5148

# Trichromacy



## Original Color

38.1538, 45.4803, 75.8749

## Protanomaly

41.5170, 44.8033, 71.4255

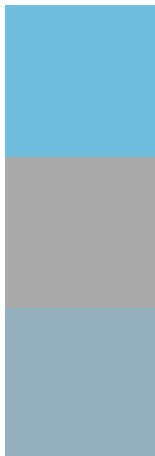
## Deuteranomaly

42.3535, 44.5084, 76.8797

## Tritanomaly

36.8254, 45.2538, 69.7448

# Monochromacy



## Original Color

38.1538, 45.4803, 75.8749

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.3019, 41.5080, 54.1899

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1538, 45.4803, 75.8749 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(111, 190, 222)` looks like.

```
.text, #text, p{  
    color:rgb(111, 190, 222)  
}
```

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(111, 190, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 190, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1538, 45.4803, 75.8749 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(111, 190, 222) }
```



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

```
.border{ border-color:rgb(111, 190, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 190, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 190, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 190, 222); box-shadow:4px 4px 4px 4px rgb(111, 190, 222) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1538, 45.4803, 75.8749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 190, 222) }
```

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

```
.background{ background-color: rgb(111,  
190, 222) }
```

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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