

# Converting Colors

XYZ(38.3018, 54.8101, 42.6285)

Have a look what the booklet for  
XYZ(38.3018, 54.8101, 42.6285)  
contains.

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# Color

**XYZ(38.1759, 54.6237,  
42.7138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77D6A2
RGB	119, 214, 162
RGB Percent	47%, 84%, 64%
CMY	0.5333, 0.1608, 0.3647
CMYK	0.44, 0.00, 0.24, 0.16
HSL	147°, 54%, 65%
HSV	147°, 44%, 84%
XYZ	38.1759, 54.6237, 42.7138
YIQ	179.6670, -39.9280, -36.3120

# Conversions

## Conversions Part 2

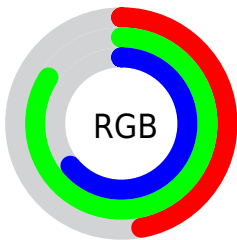
Format	Color
<b>RYB</b>	119, 184, 214
Decimal	7853730
CIELab	78.82, -39.81, 17.08
CIElCh	79, 43.324, 156.780
Yxy	54.6237, 0.2817, 0.4031
Android (android.graphics.Color)	4286043810 (0xFF77D6A2)
YUV	179.6670, -8.7098, -53.2050
Hunter-Lab	73.9078, -37.1375, 17.4698

# Details

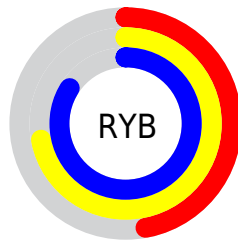
The XYZ color **38.1759, 54.6237, 42.7138** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.6809, 30.4313, 42.2071**, and the grayscale version is **43.2656, 45.5188, 49.5700**.

A 20% lighter version of the original color is **65.9636, 85.6437, 78.6999**, and **17.2625, 26.9788, 19.0495** is the 20% darker color. If you saturate the color by 10%, you get **34.5699, 52.8810, 37.3609**, and if you desaturate by 10%, it is **42.5431, 56.7505, 48.6111**.

# Distribution



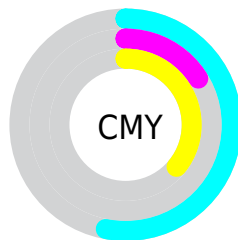
- Red (47%)
- Green (84%)
- Blue (64%)



- Red (47%)
- Yellow (72%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)




- Cyan (53%)
- Magenta (16%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1759, 54.6237, 42.7138 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 38.1759, 54.6237, 42.7138 by changing the saturation by 10% instead.





 38.1759, 54.6237,  
42.7138


 38.1759, 54.6237,  
42.7138


329.6418,  
404.4839, 373.3200


 26.2971, 39.1005,  
29.3309


 71.6798, 96.9894,  
80.5605

 17.1799, 26.8379,  
19.0835


 94.0356, 124.6007,  
105.8614

 10.4589, 17.4515,  
11.5532


 120.6145,  
157.0102, 135.9720

 5.7689, 10.5570,  
6.3214

151.7817,  
194.6022, 171.3109

 2.7444, 5.7698,  
2.9696

187.9027,  
237.7612, 212.2966

 1.0201, 2.7056,  
1.0791

229.3428,

 0.0000, 0.9800,

286.8716, 259.3477

0.0000

276.4674,  
342.3177, 312.8826

■ 0.0000, 0.0000,  
0.0000

■ 38.1759, 54.6237,  
42.7138

■ 38.1759, 54.6237,  
42.7138

■ 34.5699, 52.8810,  
37.3609

■ 42.5431, 56.7505,  
48.6111

■ 31.6732, 51.4915,  
32.5326

■ 47.7103, 59.2769,  
55.0644

■ 29.4339, 50.4304,  
28.2135


■ 53.7190, 62.2252,  
62.0894


■ 27.7906, 49.6663,  
24.3854


■ 60.6063, 65.6144,  
69.7003


■ 26.6691, 49.1613,  
21.0293

■ 68.4071, 69.4622,  
77.9105

 26.1989, 48.9557,  
19.3443

 77.1544, 73.7854,  
86.7331

 81.6168, 75.8868,  
95.9345

 83.3376, 76.5751,  
104.9959

# Harmonies

## Analogous

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



42.6473, 54.6237, 29.0746



38.1759, 54.6237, 42.7138



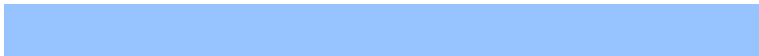
37.1891, 54.6237, 65.2340

# Triad

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



38.1759, 54.6237, 42.7138



53.8916, 54.6237, 119.8662



66.2959, 54.6237, 35.4203

# Complementary

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



38.1759, 54.6237, 42.7138



41.6809, 30.4313, 42.2071

# 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.



70.0985, 54.6237, 54.0671



38.1759, 54.6237, 42.7138



62.4437, 54.6237, 105.9530

# Square

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



38.1759, 54.6237, 42.7138



45.6772, 54.6237, 114.3689



68.6164, 54.6237, 80.1334



58.7033, 54.6237, 25.7466

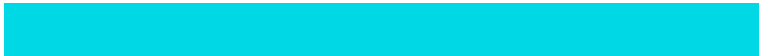


# Rectangle

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



38.1759, 54.6237, 42.7138



38.5300, 54.6237, 83.4241



68.6164, 54.6237, 80.1334



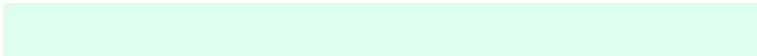
68.0958, 54.6237, 40.6148

# Sweetspot

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



38.1774, 54.6259, 42.7150



81.1031, 93.1318, 93.7109



44.2272, 58.1135, 26.3394



16.9014, 19.7090, 19.5383



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.



38.1774, 54.6259, 42.7150



51.8277, 78.8394, 56.2137



43.1957, 56.6333, 69.1412



12.4938, 13.9885, 14.4146



15.8858, 29.6097, 11.9605



0.9996, 1.8025, 0.9395



# Inverse Universe

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



41.6809, 30.4313, 42.2071



57.6568, 38.5442, 55.3387



37.9522, 28.9398, 22.5723



12.7048, 12.5334, 14.3857



18.7608, 9.4406, 11.3104



1.1731, 0.5860, 0.9007



# Previews

## White Background



This preview shows how the XYZ color 38.1759, 54.6237, 42.7138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

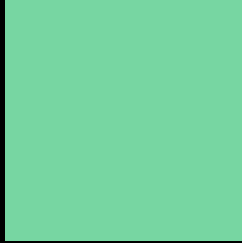
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.1759, 54.6237, 42.7138 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 38.1759, 54.6237, 42.7138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1759, 54.6237, 42.7138.



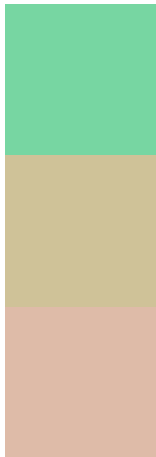
This preview shows how white text looks on a background with the XYZ color 38.1759, 54.6237,



# 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

38.1759, 54.6237, 42.7138

### Protanopia

50.6914, 54.1160, 37.4795

### Deuteranopia

54.9624, 53.8974, 44.5522



## Tritanopia

45.2221, 54.5387, 77.9556

# Trichromacy



## Original Color

38.1759, 54.6237, 42.7138



## Protanomaly

44.5666, 53.2875, 39.3891



## Deuteranomaly

46.8568, 53.0000, 43.8368



## Tritanomaly

42.3963, 54.4851, 63.5405

# Monochromacy



## Original Color

38.1759, 54.6237, 42.7138



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

40.4930, 47.9855, 46.6631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1759, 54.6237, 42.7138 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(119, 214, 162)` looks like.

```
.text, #text, p{  
    color:rgb(119, 214, 162)  
}
```

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(119, 214, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 214, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1759, 54.6237, 42.7138 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(119, 214, 162) }
```



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

```
.border{ border-color:rgb(119, 214, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 214, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 214, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 214, 162); box-shadow:4px 4px 4px 4px rgb(119, 214, 162) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1759, 54.6237, 42.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 214, 162) }
```

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

```
.background{ background-color: rgb(119,  
214, 162) }
```

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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