

# Converting Colors

XYZ(38.4177, 62.7865, 28.7618)

Have a look what the booklet for  
XYZ(38.4177, 62.7865, 28.7618)  
contains.

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# Color

**XYZ(38.3076, 62.5915,  
28.8012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67E97B
RGB	103, 233, 123
RGB Percent	40%, 91%, 48%
CMY	0.5961, 0.0863, 0.5176
CMYK	0.56, 0.00, 0.47, 0.09
HSL	129°, 75%, 66%
HSV	129°, 56%, 91%
XYZ	38.3076, 62.5915, 28.8012
YIQ	181.5900, -42.1700, -61.7700

# Conversions

## Conversions Part 2

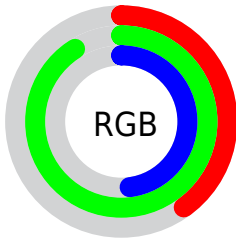
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 216, 233</a>
Decimal	<a href="#">6809979</a>
CIELab	<a href="#">83.23, -58.37, 42.70</a>
CIElCh	<a href="#">83, 72.318, 143.815</a>
Yxy	<a href="#">62.5915, 0.2954, 0.4826</a>
Android (android.graphics.Color)	<a href="#">4285000059 (0xFF67E97B)</a>
YUV	<a href="#">181.5900, -28.8849, -68.9234</a>
Hunter-Lab	<a href="#">79.1148, -52.0207, 33.7962</a>

# Details

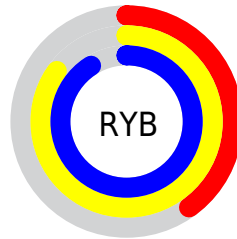
The XYZ color **38.3076, 62.5915, 28.8012** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **50.4667, 31.8294, 66.4364**, and the grayscale version is **44.4102, 46.7230, 50.8814**.

A 20% lighter version of the original color is **58.8001, 82.4809, 54.4163**, and **17.1981, 31.7816, 11.1893** is the 20% darker color. If you saturate the color by 10%, you get **34.8859, 60.9579, 22.8351**, and if you desaturate by 10%, it is **42.7255, 64.7136, 36.1140**.

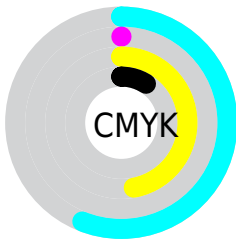
# Distribution



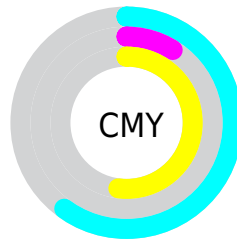
- Red (40%)
- Green (91%)
- Blue (48%)



- Red (40%)
- Yellow (85%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)




- Cyan (60%)
- Magenta (9%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3076, 62.5915, 28.8012 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 38.3076, 62.5915, 28.8012 by changing the saturation by 10% instead.





 38.3076, 62.5915,  
28.8012


 38.3076, 62.5915,  
28.8012


330.1957,  
434.0854, 310.3073


 26.3998, 45.5108,  
18.6862


 71.8802, 108.5800,  
58.7995

 17.2572, 31.8600,  
11.2692


 94.2758, 138.2565,  
79.5199

 10.5145, 21.2546,  
6.1318


 120.8980,  
172.9005, 104.6124

 5.8063, 13.3102,  
2.8553

152.1121,  
212.8963, 134.4958

 2.7672, 7.6425,  
1.0212

188.2836,  
258.6283, 169.5884

 1.0319, 3.8671,  
0.0000

229.7778,

 0.0000, 1.5995,

310.4809, 210.3088

0.0000

276.9601,  
368.8385, 257.0756

0.0000, 0.3572,  
0.0000

0.0000, 0.0000,  
0.0000

38.3076, 62.5915,  
28.8012

38.3076, 62.5915,  
28.8012

34.8859, 60.9579,  
22.8351

42.7255, 64.7136,  
36.1140

32.3770, 59.7661,  
18.1294


48.2050, 67.3508,  
44.8444


30.6919, 58.9738,  
14.5945


54.8112, 70.5370,  
55.0632


29.7201, 58.5265,  
12.1271

62.6027, 74.3012,  
66.8355

 29.4563, 58.4068,  
11.3781

 71.6339, 78.6701,  
80.2222

 81.9561, 83.6687,  
95.2814

 88.4302, 86.7603,  
106.6934

# Harmonies

## Analogous

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



48.1193, 62.5915, 15.7200



38.3076, 62.5915, 28.8012



34.2504, 62.5915, 59.2576

# Triad

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



38.3076, 62.5915, 28.8012



56.2989, 62.5915, 195.2411



91.5899, 62.5915, 38.8719

# Complementary

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



38.3076, 62.5915, 28.8012



50.4667, 31.8294, 66.4364

# 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.



94.8188, 62.5915, 77.8935



38.3076, 62.5915, 28.8012



72.5273, 62.5915, 181.7364

# Square

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



38.3076, 62.5915, 28.8012



43.3942, 62.5915, 164.4120



87.3230, 62.5915, 132.9702



79.1456, 62.5915, 19.4887



# Rectangle

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



38.3076, 62.5915, 28.8012



34.7353, 62.5915, 90.9419



87.3230, 62.5915, 132.9702



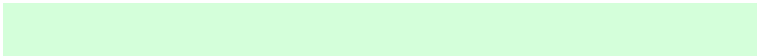
93.8706, 62.5915, 49.5273

# Sweetspot

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



38.3092, 62.5941, 28.8026



75.5073, 90.5438, 80.0462



59.1754, 73.4812, 23.8967



15.7311, 19.1720, 16.4862



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.



38.3092, 62.5941, 28.8026



42.2679, 74.5471, 27.0379



43.7575, 64.7734, 57.4930



14.9628, 16.8999, 16.4869



16.7419, 33.1512, 6.6060



1.3435, 2.6147, 0.6705



# Inverse Universe

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



50.4667, 31.8294, 66.4364



58.5249, 33.2651, 77.2556



43.8412, 29.1792, 31.5474



15.6094, 15.2716, 18.4945



24.8336, 12.1361, 31.2549



1.9769, 0.9637, 2.5960



# Previews

## White Background



This preview shows how the XYZ color 38.3076, 62.5915, 28.8012 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 38.3076, 62.5915, 28.8012 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 38.3076, 62.5915, 28.8012**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3076, 62.5915, 28.8012.



This preview shows how white text looks on a background with the XYZ color 38.3076, 62.5915,



# 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

38.3076, 62.5915, 28.8012

### Protanopia

56.4160, 61.5036, 24.5207

### Deuteranopia

62.8425, 61.5549, 30.3989



## Tritanopia

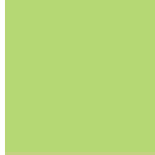
50.3859, 62.1847, 90.2362

# Trichromacy



## Original Color

38.3076, 62.5915, 28.8012



## Protanomaly

46.8228, 60.2198, 25.9854



## Deuteranomaly

49.5147, 59.2803, 29.6014



## Tritanomaly

44.7742, 61.9009, 61.8128

# Monochromacy



## Original Color

38.3076, 62.5915, 28.8012



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

40.4565, 51.1188, 41.4528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3076, 62.5915, 28.8012 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(103, 233, 123)` looks like.

```
.text, #text, p{  
    color:rgb(103, 233, 123)  
}
```

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(103, 233, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 233, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3076, 62.5915, 28.8012 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(103, 233, 123) }
```



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

```
.border{ border-color:rgb(103, 233, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 233, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 233, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 233, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 233,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3076, 62.5915, 28.8012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 233, 123) }
```

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

```
.background{ background-color: rgb(103,  
233, 123) }
```

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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