

# Converting Colors

XYZ(38.5998, 58.9750, 36.4574)

Have a look what the booklet for  
XYZ(38.5998, 58.9750, 36.4574)  
contains.

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# Color

**XYZ(38.5261, 58.8314,  
36.5192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70E092
RGB	112, 224, 146
RGB Percent	44%, 88%, 57%
CMY	0.5608, 0.1216, 0.4274
CMYK	0.50, 0.00, 0.35, 0.12
HSL	138°, 64%, 66%
HSV	138°, 50%, 88%
XYZ	38.5261, 58.8314, 36.5192
YIQ	181.6200, -41.7140, -48.0020

# Conversions

## Conversions Part 2

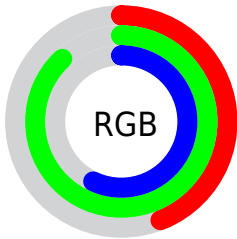
Format	Color
<a href="#">RYB</a>	<a href="#">112, 198, 224</a>
Decimal	<a href="#">7397522</a>
CIELab	<a href="#">81.20, -48.93, 28.63</a>
CIELCh	<a href="#">81, 56.685, 149.668</a>
Yxy	<a href="#">58.8314, 0.2878, 0.4394</a>
Android (android.graphics.Color)	<a href="#">4285587602</a> ( <a href="#">0xFF70E092</a> )
YUV	<a href="#">181.6200, -17.5607, -61.0567</a>
Hunter-Lab	<a href="#">76.7016, -44.5699, 25.4620</a>

# Details

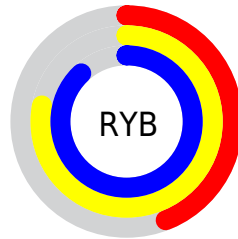
The XYZ color **38.5261, 58.8314, 36.5192** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.8308, 31.1546, 52.3153**, and the grayscale version is **44.3667, 46.6773, 50.8315**.

A 20% lighter version of the original color is **62.7629, 84.2362, 67.5948**, and **17.4334, 29.5353, 15.6085** is the 20% darker color. If you saturate the color by 10%, you get **34.8909, 57.0898, 30.4413**, and if you desaturate by 10%, it is **43.0389, 61.0095, 43.5052**.

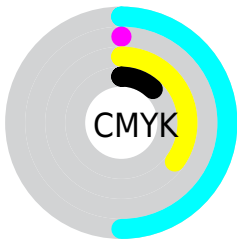
# Distribution



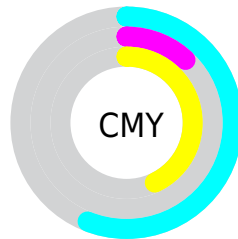
- Red (44%)
- Green (88%)
- Blue (57%)



- Red (44%)
- Yellow (78%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (35%)
- Black (12%)




- Cyan (56%)
- Magenta (12%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5261, 58.8314, 36.5192 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 38.5261, 58.8314, 36.5192 by changing the saturation by 10% instead.





 38.5261, 58.8314,  
36.5192


 38.5261, 58.8314,  
36.5192


331.1134,  
420.2768, 346.3300


 26.5703, 42.4774,  
24.5426


 72.2125, 103.1326,  
71.0107

 17.3857, 29.4753,  
15.5207


 94.6739, 131.8486,  
94.3627

 10.6069, 19.4407,  
9.0350


 121.3678,  
165.4540, 122.3436

 5.8685, 11.9891,  
4.6669

152.6596,  
204.3333, 155.3719

 2.8052, 6.7363,  
1.9979

188.9148,  
248.8708, 193.8661

 1.0516, 3.2977,  
0.5540

230.4985,

 0.0000, 1.2891,

299.4510, 238.2449

0.0000

277.7763,  
356.4582, 288.9267

■ 0.0000, 0.1327,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.5261, 58.8314,  
36.5192

■ 38.5261, 58.8314,  
36.5192

■ 34.8909, 57.0898,  
30.4413

■ 43.0389, 61.0095,  
43.5052

■ 32.0684, 55.7472,  
25.2300


■ 48.4790, 63.6443,  
51.4306


■ 29.9920, 54.7716,  
20.8461


■ 54.8979, 66.7630,  
60.3303

■ 28.5812, 54.1226,  
17.2461

■ 62.3417, 70.3889,  
70.2360

 27.7002, 53.7309,  
14.3801

 70.8536, 74.5435,  
81.1779

 80.4744, 79.2474,  
93.1852

 85.9468, 81.7935,  
105.8656

# Harmonies

## Analogous

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



45.4186, 58.8314, 22.5506



38.5261, 58.8314, 36.5192



36.1533, 58.8314, 63.6820

# Triad

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



38.5261, 58.8314, 36.5192



55.7863, 58.8314, 153.5233



78.0482, 58.8314, 36.9689

# Complementary

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



38.5261, 58.8314, 36.5192



45.8308, 31.1546, 52.3153

# 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.



81.8232, 58.8314, 64.4342



38.5261, 58.8314, 36.5192



67.9212, 58.8314, 138.7641

# Square

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



38.5261, 58.8314, 36.5192



45.2208, 58.8314, 138.1354



77.8843, 58.8314, 102.8101



68.1804, 58.8314, 22.7386



# Rectangle

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



38.5261, 58.8314, 36.5192



37.1522, 58.8314, 88.5209



77.8843, 58.8314, 102.8101



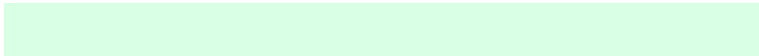
80.1287, 58.8314, 44.5754

# Sweetspot

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



38.5276, 58.8338, 36.5205



78.3549, 91.8550, 87.2622



50.9177, 65.4826, 25.2856



16.3249, 19.4434, 18.0811



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.



38.5276, 58.8338, 36.5205



46.6202, 76.4970, 40.5107



43.9529, 61.0039, 65.0898



13.6992, 15.4054, 15.4513



16.1677, 31.2919, 8.6060



1.1596, 2.1846, 0.8016



# Inverse Universe

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



45.8308, 31.1546, 52.3153



57.4448, 35.3441, 63.8270



40.8674, 29.1692, 26.1780



14.1085, 13.8611, 16.3418



21.4394, 10.6428, 19.5116

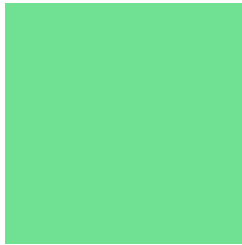


1.5253, 0.7534, 1.5590



# Previews

## White Background



This preview shows how the XYZ color 38.5261, 58.8314, 36.5192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

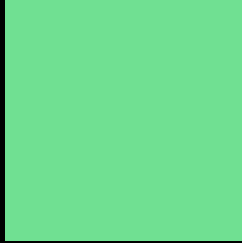
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5261, 58.8314, 36.5192 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 38.5261, 58.8314, 36.5192**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5261, 58.8314, 36.5192.



This preview shows how white text looks on a background with the XYZ color 38.5261, 58.8314,



# 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

38.5261, 58.8314, 36.5192

### Protanopia

53.7135, 57.8378, 31.6254

### Deuteranopia

58.8604, 57.6613, 38.1645



## Tritanopia

48.1432, 58.8492, 84.4229

# Trichromacy



## Original Color

38.5261, 58.8314, 36.5192



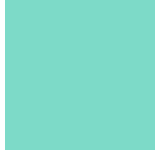
## Protanomaly

46.1245, 57.0781, 33.3971



## Deuteranomaly

48.3331, 56.3349, 37.1805



## Tritanomaly

43.9542, 58.6729, 63.6520

# Monochromacy



## Original Color

38.5261, 58.8314, 36.5192



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

41.0323, 49.9652, 45.0177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5261, 58.8314, 36.5192 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(112, 224, 146)` looks like.

```
.text, #text, p{  
    color:rgb(112, 224, 146)  
}
```

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(112, 224, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 224, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5261, 58.8314, 36.5192 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(112, 224, 146) }
```



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

```
.border{ border-color:rgb(112, 224, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 224, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 224, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 224, 146); box-shadow:4px 4px 4px 4px rgb(112, 224, 146) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5261, 58.8314, 36.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 224, 146) }
```

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

```
.background{ background-color: rgb(112,  
224, 146) }
```

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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