

Converting Colors

XYZ(38.9196, 62.7116, 37.6570)

Have a look what the booklet for
XYZ(38.9196, 62.7116, 37.6570)
contains.

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Color

**XYZ(38.9196, 62.7116,
37.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	5DE993
RGB	93, 233, 147
RGB Percent	36%, 91%, 58%
CMY	0.6353, 0.0863, 0.4235
CMYK	0.60, 0.00, 0.37, 0.09
HSL	143°, 76%, 64%
HSV	143°, 60%, 91%
XYZ	38.9196, 62.7116, 37.6570
YIQ	181.3360, -55.8340, -56.4260

Conversions

Conversions Part 2

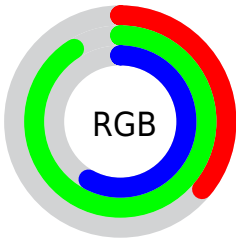
Format	Color
RYB	93, 194, 233
Decimal	6154643
CIELab	83.29, -56.69, 30.80
CIELCh	83, 64.515, 151.480
Yxy	62.7116, 0.2794, 0.4502
Android (android.graphics.Color)	4284344723 (0xFF5DE993)
YUV	181.3360, -16.9276, -77.4707
Hunter-Lab	79.1907, -50.8568, 27.2397

Details

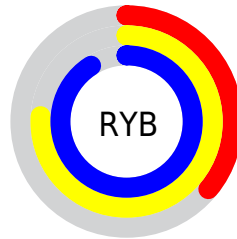
The XYZ color **38.9196, 62.7116, 37.6570** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **45.6573, 28.4084, 45.7271**, and the grayscale version is **44.2148, 46.5174, 50.6574**.

A 20% lighter version of the original color is **59.7471, 82.6543, 68.6820**, and **17.5909, 31.8769, 16.0522** is the 20% darker color. If you saturate the color by 10%, you get **35.8566, 61.2561, 32.0116**, and if you desaturate by 10%, it is **42.8438, 64.5984, 44.0750**.

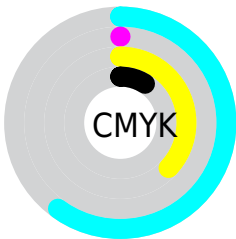
Distribution



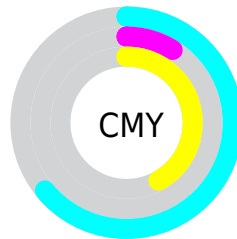
- Red (36%)
- Green (91%)
- Blue (58%)



- Red (36%)
- Yellow (76%)
- Blue (91%)



- Cyan (60%)
- Magenta (0%)
- Yellow (37%)
- Black (9%)





- Cyan (64%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9196, 62.7116, 37.6570 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 38.9196, 62.7116, 37.6570 by changing the saturation by 10% instead.


 38.9196, 62.7116,
37.6570


 38.9196, 62.7116,
37.6570


332.7616,
434.5221, 351.4003


 26.8776, 45.6079,
25.4168


 72.8103, 108.7533,
72.7797


 17.6175, 31.9365,
16.1660


 95.3898, 138.4602,
96.4993

 10.7737, 21.3130,
9.4861


 122.2125,
173.1369, 124.8824

 5.9810, 13.3530,
4.9585

 153.6438,
213.1679, 158.3476

 2.8741, 7.6721,
2.1646

190.0489,
258.9375, 197.3135

 1.0875, 3.8858,
0.6538

231.7934,

 0.0147, 1.6099,

310.8301, 242.1985

0.0000

279.2425,
369.2302, 293.4213

■ 0.0000, 0.3643,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9196, 62.7116,
37.6570

■ 38.9196, 62.7116,
37.6570

■ 35.8566, 61.2561,
32.0116

■ 42.8438, 64.5984,
44.0750

■ 33.5774, 60.1874,
27.1045


■ 47.6884, 66.9412,
51.2895


■ 31.9977, 59.4643,
22.9047


■ 53.5126, 69.7718,
59.3289


■ 30.9801, 59.0162,
19.4027

■ 60.3692, 73.1168,
68.2186

 68.3071, 77.0010,
77.9830

 77.3719, 81.4475,
88.6454

 87.1987, 86.2677,
100.2091

 88.4301, 86.7602,
106.6934

Harmonies

Analogous

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



46.6084, 62.7116, 21.3382



38.9196, 62.7116, 37.6570



36.5157, 62.7116, 70.2952

Triad

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



38.9196, 62.7116, 37.6570



60.3043, 62.7116, 178.1798



85.6758, 62.7116, 35.3824

Complementary

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



38.9196, 62.7116, 37.6570



45.6573, 28.4084, 45.7271

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.



90.8167, 62.7116, 66.3081



38.9196, 62.7116, 37.6570



74.8187, 62.7116, 157.5458

Square

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



38.9196, 62.7116, 37.6570



47.6392, 62.7116, 161.0523



86.5654, 62.7116, 112.1727



73.4245, 62.7116, 20.4333

Rectangle

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



38.9196, 62.7116, 37.6570



37.8761, 62.7116, 100.6305



86.5654, 62.7116, 112.1727



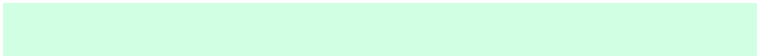
88.3720, 62.7116, 43.7357

Sweetspot

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



38.9212, 62.7142, 37.6584



75.9209, 90.6251, 86.0223



49.7844, 68.6945, 20.9920



15.6782, 19.1179, 17.6926



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.



38.9212, 62.7142, 37.6584



43.2867, 74.8343, 37.8393



46.1361, 65.6001, 75.6517



15.1088, 16.9583, 17.2558



17.6343, 33.5082, 11.3050



1.4305, 2.6495, 1.1288

Inverse Universe

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



45.6573, 28.4084, 45.7271



52.1898, 29.2859, 48.3506



40.2987, 26.2649, 17.5087



15.4543, 15.2096, 17.6779



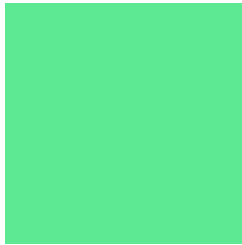
21.9490, 10.9823, 16.0647



1.7703, 0.8811, 1.5079

Previews

White Background



This preview shows how the XYZ color 38.9196, 62.7116, 37.6570 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 38.9196, 62.7116, 37.6570 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

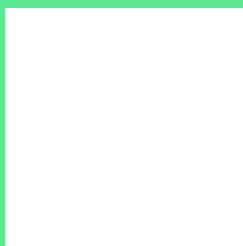
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9196, 62.7116, 37.6570

Background



This preview shows how black text looks on a background with the XYZ color 38.9196, 62.7116, 37.6570.



This preview shows how white text looks on a background with the XYZ color 38.9196, 62.7116,

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

38.9196, 62.7116, 37.6570

Protanopia

56.9467, 61.6082, 32.1827

Deuteranopia

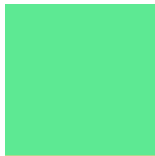
62.5006, 61.1763, 39.5244



Tritanopia

49.7346, 62.5988, 91.8996

Trichromacy



Original Color

38.9196, 62.7116, 37.6570



Protanomaly

47.1940, 60.2353, 33.9501



Deuteranomaly

49.4531, 59.0516, 38.4974



Tritanomaly

44.8925, 62.2285, 68.0377

Monochromacy



Original Color

38.9196, 62.7116, 37.6570



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.2101, 50.5627, 45.1764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9196, 62.7116, 37.6570 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(93, 233, 147)` looks like.

```
.text, #text, p{  
    color:rgb(93, 233, 147)  
}
```

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(93, 233, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 233, 147) }
```

Border

The CSS property to change the border of an element to XYZ 38.9196, 62.7116, 37.6570 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(93, 233, 147) }
```


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

```
.border{ border-color:rgb(93, 233, 147) }
```

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

Here you see how a box with a 4 pixel rgb(93, 233, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 233, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 233, 147);  
box-shadow:4px 4px 4px 4px rgb(93, 233,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9196, 62.7116, 37.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 233, 147) }
```

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

```
.background{ background-color: rgb(93, 233,  
147) }
```

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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