

Converting Colors

XYZ(38.6234, 63.0031, 36.7476)

Have a look what the booklet for
XYZ(38.6234, 63.0031, 36.7476)
contains.

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Color

**XYZ(38.6535, 63.0138,
36.9137)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 59EA91 |
| RGB | 89, 234, 145 |
| RGB Percent | 35%, 92%, 57% |
| CMY | 0.6510, 0.0823, 0.4314 |
| CMYK | 0.62, 0.00, 0.38, 0.08 |
| HSL | 143°, 78%, 63% |
| HSV | 143°, 62%, 92% |
| XYZ | 38.6535, 63.0138, 36.9137 |
| YIQ | 180.4990, -57.8510, -58.4190 |

Conversions

Conversions Part 2

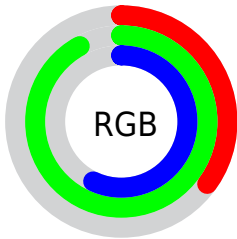
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 89, 194, 234 |
| Decimal | 5892753 |
| CIELab | 83.45, -58.22, 32.01 |
| CIELCh | 83, 66.439, 151.199 |
| Yxy | 63.0138, 0.2789, 0.4547 |
| Android (android.graphics.Color) | 4284082833 (0xFF59EA91) |
| YUV | 180.4990, -17.5010, -80.2446 |
| Hunter-Lab | 79.3812, -51.9993, 27.9959 |

Details

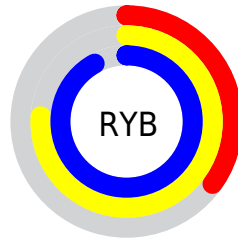
The XYZ color **38.6535, 63.0138, 36.9137** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **45.5420, 27.8529, 45.0976**, and the grayscale version is **43.7658, 46.0450, 50.1430**.

A 20% lighter version of the original color is **58.9478, 82.2694, 67.4163**, and **17.6979, 32.2346, 15.6450** is the 20% darker color. If you saturate the color by 10%, you get **35.7164, 61.6214, 31.3565**, and if you desaturate by 10%, it is **42.4473, 64.8351, 43.2447**.

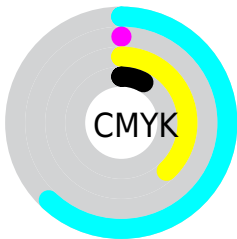
Distribution



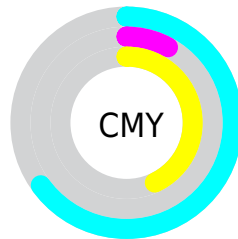
- Red (35%)
- Green (92%)
- Blue (57%)



- Red (35%)
- Yellow (76%)
- Blue (92%)



- Cyan (62%)
- Magenta (0%)
- Yellow (38%)
- Black (8%)





- Cyan (65%)
- Magenta (8%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6535, 63.0138, 36.9137 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 38.6535, 63.0138, 36.9137 by changing the saturation by 10% instead.

 38.6535, 63.0138,
36.9137


 38.6535, 63.0138,
36.9137


331.6477,
435.6196, 348.0942


 26.6698, 45.8524,
24.8454


 72.4061, 109.1894,
71.6249


 17.4607, 32.1293,
15.7440


 94.9058, 138.9724,
95.1049

 10.6608, 21.4603,
9.1908


 121.6415,
173.7314, 123.2258

 5.9049, 13.4609,
4.7673

 152.9785,
213.8507, 156.4063

 2.8274, 7.7467,
2.0550

189.2823,
259.7148, 195.0648

 1.0632, 3.9333,
0.5888

230.9182,

 0.0000, 1.6363,

311.7080, 239.6199

0.0000

278.2515,
370.2148, 290.4902

0.0000, 0.3819,
0.0000

0.0000, 0.0000,
0.0000

38.6535, 63.0138,
36.9137

38.6535, 63.0138,
36.9137

35.7164, 61.6214,
31.3565

42.4473, 64.8351,
43.2447

33.5556, 60.6119,
26.5381


47.1590, 67.1112,
50.3742


32.0827, 59.9420,
22.4268


52.8496, 69.8746,
58.3306


31.2854, 59.5925,
19.6098

59.5731, 73.1527,
67.1401

 67.3797, 76.9708,
76.8273

 76.3160, 81.3525,
87.4160

 86.4260, 86.3201,
98.9290

 88.7140, 87.3280,
106.7880

Harmonies

Analogous

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



46.5941, 63.0138, 20.5031



38.6535, 63.0138, 36.9137



36.1418, 63.0138, 70.2937

Triad

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



38.6535, 63.0138, 36.9137



60.4773, 63.0138, 183.2292



87.0113, 63.0138, 35.0345

Complementary

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



38.6535, 63.0138, 36.9137



45.5420, 27.8529, 45.0976

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.



92.2724, 63.0138, 66.9560



38.6535, 63.0138, 36.9137



75.5078, 63.0138, 161.9420

Square

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



38.6535, 63.0138, 36.9137



47.4530, 63.0138, 164.9184



87.7609, 63.0138, 114.6546



74.3361, 63.0138, 19.7662

Rectangle

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



38.6535, 63.0138, 36.9137



37.4998, 63.0138, 101.6815



87.7609, 63.0138, 114.6546



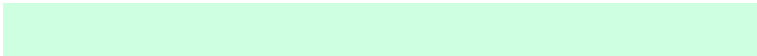
89.7894, 63.0138, 43.6231

Sweetspot

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



38.6551, 63.0164, 36.9151



74.9929, 90.1712, 84.8735



49.6840, 69.0841, 20.1678



15.4974, 19.0296, 17.4659



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.



38.6551, 63.0164, 36.9151



42.7001, 74.5579, 36.6342



46.0798, 65.9863, 76.0131



15.1091, 16.9585, 17.2574



17.6371, 33.5093, 11.3198



1.4307, 2.6496, 1.1301

Inverse Universe

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



45.5420, 27.8529, 45.0976



51.6621, 28.5741, 47.1155



40.1030, 25.6773, 16.4563



15.4540, 15.2095, 17.6761



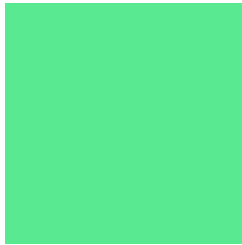
21.9441, 10.9803, 16.0388



1.7700, 0.8809, 1.5060

Previews

White Background



This preview shows how the XYZ color 38.6535, 63.0138, 36.9137 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 38.6535, 63.0138, 36.9137 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 38.6535, 63.0138, 36.9137

Background



This preview shows how black text looks on a background with the XYZ color 38.6535, 63.0138, 36.9137.

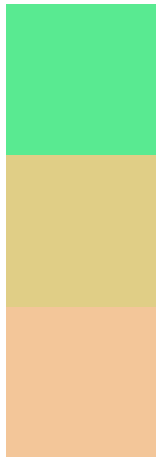


This preview shows how white text looks on a background with the XYZ color 38.6535, 63.0138,

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

38.6535, 63.0138, 36.9137

Protanopia

57.1149, 61.7111, 31.4554

Deuteranopia

62.9060, 61.7428, 38.7390



Tritanopia

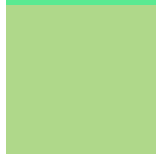
49.7236, 62.9886, 91.9754

Trichromacy



Original Color

38.6535, 63.0138, 36.9137



Protanomaly

46.8225, 60.0607, 33.1698



Deuteranomaly

49.2928, 59.3553, 37.7129



Tritanomaly

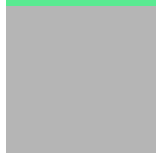
44.6729, 62.5341, 67.4734

Monochromacy



Original Color

38.6535, 63.0138, 36.9137



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.9349, 50.4316, 44.6753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6535, 63.0138, 36.9137 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(89, 234, 145)` looks like.

```
.text, #text, p{  
    color:rgb(89, 234, 145)  
}
```

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(89, 234, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 234, 145) }
```

Border

The CSS property to change the border of an element to XYZ 38.6535, 63.0138, 36.9137 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(89, 234, 145) }
```


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

```
.border{ border-color:rgb(89, 234, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 234, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 234, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 234, 145);  
box-shadow:4px 4px 4px 4px rgb(89, 234,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6535, 63.0138, 36.9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 234, 145) }
```

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

```
.background{ background-color: rgb(89, 234,  
145) }
```

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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