

Converting Colors

XYZ(38.0172, 62.3016, 32.7168)

Have a look what the booklet for
XYZ(38.0172, 62.3016, 32.7168)
contains.

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Color

**XYZ(38.0581, 62.3787,
32.5887)**

Conversions

Conversions Part 1

Format	Color
Hex	5EE986
RGB	94, 233, 134
RGB Percent	37%, 91%, 53%
CMY	0.6314, 0.0863, 0.4745
CMYK	0.60, 0.00, 0.42, 0.09
HSL	137°, 76%, 64%
HSV	137°, 60%, 91%
XYZ	38.0581, 62.3787, 32.5887
YIQ	180.1530, -51.0650, -60.2570

Conversions

Conversions Part 2

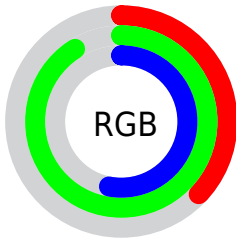
Format	Color
RYB	94, 202, 233
Decimal	6220166
CIELab	83.11, -58.69, 37.10
CIELCh	83, 69.433, 147.697
Yxy	62.3787, 0.2861, 0.4689
Android (android.graphics.Color)	4284410246 (0xFF5EE986)
YUV	180.1530, -22.7534, -75.5562
Hunter-Lab	78.9802, -52.2017, 30.8220

Details

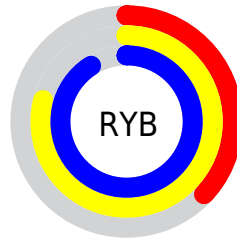
The XYZ color **38.0581, 62.3787, 32.5887** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **47.2346, 29.1806, 53.5971**, and the grayscale version is **43.6040, 45.8748, 49.9577**.

A 20% lighter version of the original color is **58.3547, 82.1194, 60.3520**, and **17.0992, 31.6817, 13.3976** is the 20% darker color. If you saturate the color by 10%, you get **34.9517, 60.9025, 26.8687**, and if you desaturate by 10%, it is **42.0703, 64.3044, 39.3020**.

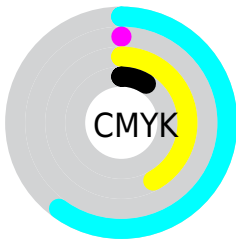
Distribution



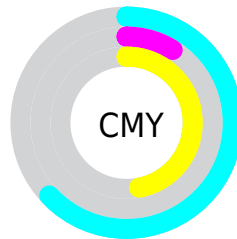
- Red (37%)
- Green (91%)
- Blue (53%)



- Red (37%)
- Yellow (79%)
- Blue (91%)



- Cyan (60%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)





- Cyan (63%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0581, 62.3787, 32.5887 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 38.0581, 62.3787, 32.5887 by changing the saturation by 10% instead.


 38.0581, 62.3787,
32.5887


 38.0581, 62.3787,
32.5887


329.1457,
433.3111, 328.3673


 26.2052, 45.3388,
21.5430


 71.5005, 108.2727,
64.8414


 17.1107, 31.7243,
13.3264


 93.8207, 137.8955,
86.8856

 10.4092, 21.1510,
7.5203


 120.3608,
172.4814, 113.4330

 5.7355, 13.2345,
3.7062

 151.4860,
212.4148, 144.9021

 2.7240, 7.5902,
1.4656

187.5617,
258.0801, 181.7116

 1.0096, 3.8339,
0.1921

228.9533,

 0.0000, 1.5811,

309.8616, 224.2799

0.0000

276.0262,
368.1439, 273.0256

■ 0.0000, 0.3448,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0581, 62.3787,
32.5887

■ 38.0581, 62.3787,
32.5887

■ 34.9517, 60.9025,
26.8687

■ 42.0703, 64.3044,
39.3020

■ 32.6707, 59.8300,
22.0902

■ 47.0502, 66.7053,
47.0486


■ 31.1279, 59.1191,
18.2027


■ 53.0596, 69.6142,
55.8716


■ 30.1820, 58.6981,
15.1476

■ 60.1538, 73.0588,
65.8104

 30.1547, 58.6860,
15.0565

 68.3839, 77.0646,
76.9021

 77.7979, 81.6556,
89.1824

 87.6620, 86.4529,
102.6488

 88.4301, 86.7601,
106.6934

Harmonies

Analogous

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



46.8423, 62.3787, 17.8254



38.0581, 62.3787, 32.5887



34.8415, 62.3787, 64.6473

Triad

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



38.0581, 62.3787, 32.5887



58.1351, 62.3787, 188.7708



88.7442, 62.3787, 36.2490

Complementary

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



38.0581, 62.3787, 32.5887



47.2346, 29.1806, 53.5971

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.



93.1179, 62.3787, 71.3009



38.0581, 62.3787, 32.5887



73.7659, 62.3787, 170.7561

Square

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



38.0581, 62.3787, 32.5887



45.1439, 62.3787, 164.6792



87.2330, 62.3787, 122.4634



76.1177, 62.3787, 19.2241

Rectangle

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



38.0581, 62.3787, 32.5887



35.7934, 62.3787, 96.3231



87.2330, 62.3787, 122.4634



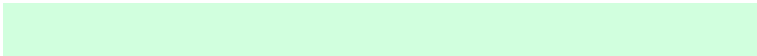
91.3128, 62.3787, 45.7334

Sweetspot

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



38.0597, 62.3813, 32.5901



75.3090, 90.3804, 82.8003



53.3113, 70.5075, 21.3897



15.5304, 19.0588, 16.9145



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.



38.0597, 62.3813, 32.5901



42.0409, 74.3359, 31.2791



44.5224, 64.9664, 66.6225



15.0466, 16.9334, 16.9281



17.1561, 33.3169, 8.7873



1.3875, 2.6323, 0.9024

Inverse Universe

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



47.2346, 29.1806, 53.5971



54.1990, 30.0896, 58.9312



41.2542, 26.7884, 22.1047



15.5193, 15.2356, 18.0199



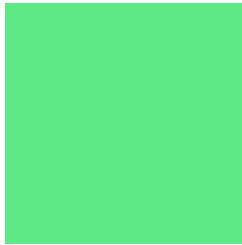
23.0269, 11.4134, 21.7406



1.8494, 0.9127, 1.9243

Previews

White Background



This preview shows how the XYZ color 38.0581, 62.3787, 32.5887 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 38.0581, 62.3787, 32.5887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

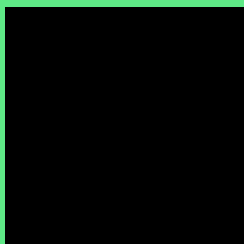
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

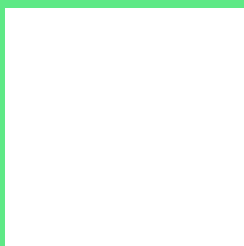
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0581, 62.3787, 32.5887

Background



This preview shows how black text looks on a background with the XYZ color 38.0581, 62.3787, 32.5887.



This preview shows how white text looks on a background with the XYZ color 38.0581, 62.3787, 32.5887.

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

38.0581, 62.3787, 32.5887

Protanopia

56.4578, 61.1003, 27.5568

Deuteranopia

62.5804, 61.3282, 34.5258



Tritanopia

49.6048, 62.1559, 91.0442

Trichromacy



Original Color

38.0581, 62.3787, 32.5887



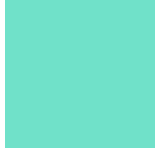
Protanomaly

46.2627, 59.4803, 29.1212



Deuteranomaly

49.0154, 58.9338, 33.6029



Tritanomaly

44.1499, 61.5122, 64.8044

Monochromacy



Original Color

38.0581, 62.3787, 32.5887



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.4287, 49.8808, 42.2002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0581, 62.3787, 32.5887 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(94, 233, 134)` looks like.

```
.text, #text, p{  
    color:rgb(94, 233, 134)  
}
```

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(94, 233, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 233, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.0581, 62.3787, 32.5887 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(94, 233, 134) }
```


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

```
.border{ border-color:rgb(94, 233, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 233, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 233, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 233, 134);  
box-shadow:4px 4px 4px 4px rgb(94, 233,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0581, 62.3787, 32.5887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 233, 134) }
```

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

```
.background{ background-color: rgb(94, 233,  
134) }
```

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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