

Converting Colors

XYZ(38.2087, 54.9284, 31.1457)

Have a look what the booklet for
XYZ(38.2087, 54.9284, 31.1457)
contains.

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Color

**XYZ(38.1812, 54.8827,
31.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	86D686
RGB	134, 214, 134
RGB Percent	53%, 84%, 53%
CMY	0.4745, 0.1608, 0.4745
CMYK	0.37, 0.00, 0.37, 0.16
HSL	120°, 49%, 68%
HSV	120°, 37%, 84%
XYZ	38.1812, 54.8827, 31.1353
YIQ	180.9600, -22.0000, -41.8400

Conversions

Conversions Part 2

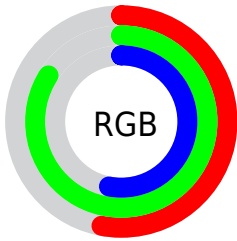
Format	Color
RYB	134, 214, 214
Decimal	8836742
CIELab	78.97, -40.44, 31.98
CIELCh	79, 51.561, 141.661
Yxy	54.8827, 0.3074, 0.4419
Android (android.graphics.Color)	4287026822 (0xFF86D686)
YUV	180.9600, -23.1513, -41.1839
Hunter-Lab	74.0829, -37.6488, 26.9398

Details

The XYZ color **38.1812, 54.8827, 31.1353** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **48.3961, 36.2025, 68.0575**, and the grayscale version is **44.0303, 46.3233, 50.4461**.

A 20% lighter version of the original color is **66.0723, 86.0980, 60.7131**, and **17.2677, 27.1263, 12.5094** is the 20% darker color. If you saturate the color by 10%, you get **33.7647, 52.7629, 23.9103**, and if you desaturate by 10%, it is **43.5927, 57.4838, 39.9857**.

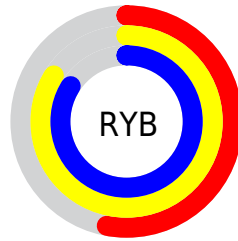
Distribution



Red (53%)

Green (84%)

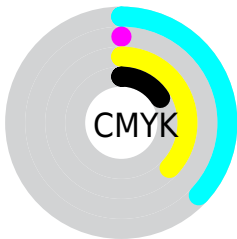
Blue (53%)



Red (53%)

Yellow (84%)

Blue (84%)

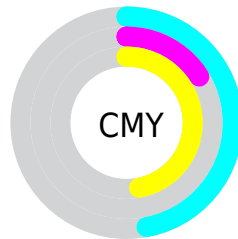


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (16%)



Cyan (47%)


Magenta (16%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1812, 54.8827, 31.1353 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 38.1812, 54.8827, 31.1353 by changing the saturation by 10% instead.


 38.1812, 54.8827,
31.1353


 38.1812, 54.8827,
31.1353


329.6641,
405.4671, 321.5316


 26.3012, 39.3078,
20.4426


 71.6879, 97.3691,
62.5351

 17.1830, 26.9993,
12.5299


 94.0453, 125.0493,
84.0792

 10.4611, 17.5727,
6.9787


 120.6259,
157.5335, 110.0776

 5.7704, 10.6436,
3.3706

151.7950,
195.2061, 140.9487

 2.7453, 5.8277,
1.2868

187.9181,
238.4513, 177.1112

 1.0205, 2.7406,
0.0510

229.3603,

 0.0000, 0.9979,

287.6536, 218.9834

0.0000

276.4872,
343.1974, 266.9841

■ 0.0000, 0.0000,
0.0000

■ 38.1812, 54.8827,
31.1353

■ 38.1812, 54.8827,
31.1353

■ 33.7647, 52.7629,
23.9103

■ 43.5927, 57.4838,
39.9857

■ 30.2789, 51.0885,
18.2085

■ 50.0502, 60.5856,
50.5482

■ 27.6583, 49.8296,
13.9219

■ 57.6062, 64.2152,
62.9074

■ 25.8273, 48.9502,
10.9270

■ 66.3085, 68.3953,
77.1415

■ 24.6975, 48.4074,
9.0789

■ 76.2021, 73.1477,
93.3241

■ 24.1484, 48.1437,
8.1808

■ 83.3376, 76.5753,
104.9959

■ 24.0477, 48.0953,
8.0160

Harmonies

Analogous

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



45.2219, 54.8827, 21.1496



38.1812, 54.8827, 31.1353



34.9914, 54.8827, 51.9389

Triad

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



38.1812, 54.8827, 31.1353



49.3575, 54.8827, 134.8199



72.7114, 54.8827, 41.2495

Complementary

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



38.1812, 54.8827, 31.1353



48.3961, 36.2025, 68.0575

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.



74.1981, 54.8827, 68.3248



38.1812, 54.8827, 31.1353



59.7833, 54.8827, 129.0733

Square

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



38.1812, 54.8827, 31.1353



40.8678, 54.8827, 115.8705



69.2022, 54.8827, 102.0602



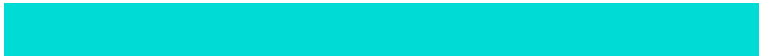
65.3715, 54.8827, 25.5162

Rectangle

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



38.1812, 54.8827, 31.1353



35.1437, 54.8827, 71.9090



69.2022, 54.8827, 102.0602



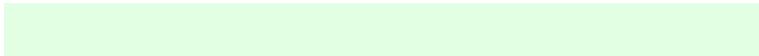
73.9475, 54.8827, 49.0592

Sweetspot

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



38.1826, 54.8850, 31.1365



81.2811, 93.3861, 86.3785



56.0836, 64.1133, 31.9739



17.0653, 19.8289, 17.9453



0.0000, 0.0000, 0.0000



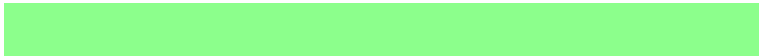
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1826, 54.8850, 31.1365



51.3696, 79.0181, 37.4528



41.5196, 56.2198, 48.7090



12.2625, 13.8960, 13.1966



14.5346, 29.0692, 4.8449



0.8767, 1.7533, 0.2922

Inverse Universe

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



48.3961, 36.2025, 68.0575



68.7044, 47.3092, 100.1170



43.8983, 34.4034, 44.3726



12.9531, 12.6327, 15.6931



24.0981, 11.5756, 39.4163



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 38.1812, 54.8827, 31.1353 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 38.1812, 54.8827, 31.1353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

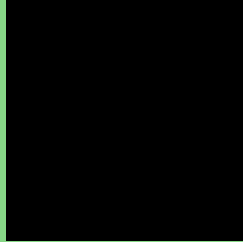
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1812, 54.8827, 31.1353

Background



This preview shows how black text looks on a background with the XYZ color 38.1812, 54.8827, 31.1353.

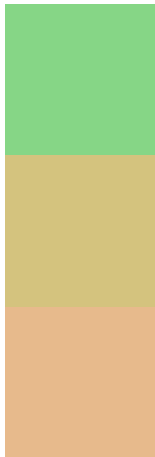


This preview shows how white text looks on a background with the XYZ color 38.1812, 54.8827,

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

38.1812, 54.8827, 31.1353

Protanopia

50.4324, 54.5336, 27.6066

Deuteranopia

55.2475, 54.0002, 32.3222



Tritanopia

47.2736, 54.9323, 75.8216

Trichromacy



Original Color

38.1812, 54.8827, 31.1353



Protanomaly

44.8501, 54.0164, 28.8312



Deuteranomaly

47.0923, 53.0506, 31.8025



Tritanomaly

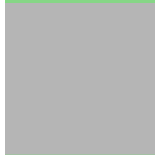
43.4182, 54.8056, 56.4343

Monochromacy



Original Color

38.1812, 54.8827, 31.1353



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.0806, 48.7128, 42.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1812, 54.8827, 31.1353 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(134, 214, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 214, 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(134, 214, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 214, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.1812, 54.8827, 31.1353 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(134, 214, 134) }
```


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

```
.border{ border-color:rgb(134, 214, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 214, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 214, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 214, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 214,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1812, 54.8827, 31.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 214, 134) }
```

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

```
.background{ background-color: rgb(134,  
214, 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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