

Converting Colors

XYZ(38.1885, 54.4006, 19.3634)

Have a look what the booklet for
XYZ(38.1885, 54.4006, 19.3634)
contains.

XYZ(38.1867, 54.3972, 19.3135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1867, 54.3972,
19.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	96D45F
RGB	150, 212, 95
RGB Percent	59%, 83%, 37%
CMY	0.4118, 0.1686, 0.6274
CMYK	0.29, 0.00, 0.55, 0.17
HSL	92°, 58%, 60%
HSV	92°, 55%, 83%
XYZ	38.1867, 54.3972, 19.3135
YIQ	180.1240, 0.6050, -49.5310

Conversions

Conversions Part 2

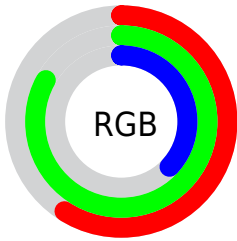
Format	Color
RYB	95, 212, 157
Decimal	9884767
CIELab	78.69, -39.21, 50.89
CIELCh	79, 64.246, 127.616
Yxy	54.3972, 0.3413, 0.4861
Android (android.graphics.Color)	4288074847 (0xFF96D45F)
YUV	180.1240, -41.9661, -26.4187
Hunter-Lab	73.7545, -36.6511, 36.1023

Details

The XYZ color **38.1867, 54.3972, 19.3135** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **29.8829, 20.1076, 64.5965**, and the grayscale version is **43.6685, 45.9426, 50.0315**.

A 20% lighter version of the original color is **66.9169, 86.9553, 41.6909**, and **17.1942, 26.7140, 6.4406** is the 20% darker color. If you saturate the color by 10%, you get **35.3823, 53.0498, 14.8186**, and if you desaturate by 10%, it is **41.4543, 55.9565, 25.2010**.

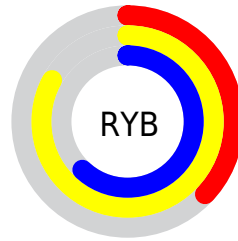
Distribution



Red (59%)

Green (83%)

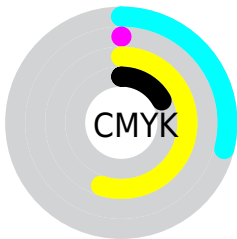
Blue (37%)



Red (37%)

Yellow (83%)

Blue (62%)

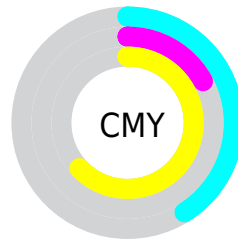


Cyan (29%)

Magenta (0%)

Yellow (55%)

Black (17%)



Cyan (41%)


Magenta (17%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1867, 54.3972, 19.3135 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 38.1867, 54.3972, 19.3135 by changing the saturation by 10% instead.


 38.1867, 54.3972,
19.3135


 38.1867, 54.3972,
19.3135


329.6872,
403.6228, 260.6542

 26.3055, 38.9193,
11.7179


 71.6963, 96.6572,
43.1069


 17.1862, 26.6970,
6.4317


 94.0553, 124.2081,
60.1418

 10.4635, 17.3458,
3.0363


 120.6377,
156.5521, 81.1602

 5.7719, 10.4813,
1.1132

 151.8088,
194.0736, 106.5807

 2.7462, 5.7192,
0.0000

187.9340,
237.1571, 136.8218

 1.0210, 2.6751,
0.0000

229.3785,

 0.0000, 0.9646,

286.1868, 172.3021

0.0000

276.5078,
341.5473, 213.4400

■ 0.0000, 0.0000,
0.0000

■ 38.1867, 54.3972,
19.3135

■ 38.1867, 54.3972,
19.3135

■ 35.3823, 53.0498,
14.8186

■ 41.4543, 55.9565,
25.2010

■ 33.0096, 51.8955,
11.5974

■ 45.2057, 57.7310,
32.5798

■ 31.0390, 50.9235,
9.5176

■ 49.4650, 59.7328,
41.5438

■ 29.4332, 50.1185,
8.4155

■ 54.2533, 61.9708,
52.1780

■ 28.7619, 49.7789,
8.0924

■ 59.5903, 64.4535,
64.5617

■ 65.4946, 67.1890,
78.7689

■ 71.9840, 70.1847,
94.8692

■ 77.4894, 72.8137,
104.5781

■ 81.4201, 74.8401,
104.7620

Harmonies

Analogous

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



48.5340, 54.3972, 13.4414



38.1867, 54.3972, 19.3135



32.2540, 54.3972, 36.3934

Triad

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



38.1867, 54.3972, 19.3135



42.9518, 54.3972, 150.2612



79.8740, 54.3972, 50.4367

Complementary

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



38.1867, 54.3972, 19.3135



29.8829, 20.1076, 64.5965

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.



77.7232, 54.3972, 90.0452



38.1867, 54.3972, 19.3135



55.0068, 54.3972, 159.0804

Square

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



38.1867, 54.3972, 19.3135



34.6747, 54.3972, 112.9793



68.0825, 54.3972, 133.6734



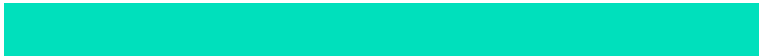
73.5536, 54.3972, 25.9810

Rectangle

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



38.1867, 54.3972, 19.3135



30.9445, 54.3972, 56.3687



68.0825, 54.3972, 133.6734



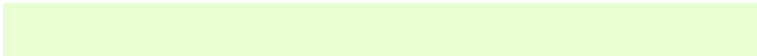
80.1339, 54.3972, 62.1851

Sweetspot

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



38.1880, 54.3996, 19.3147



80.8870, 93.4161, 75.8240



41.0154, 38.4181, 16.0809



16.9900, 19.8440, 15.5052



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.



38.1880, 54.3996, 19.3147



53.1541, 80.2897, 21.6486



30.4198, 50.3845, 19.4197



12.8119, 14.1792, 13.2223



17.8690, 30.7881, 5.0009



1.1729, 1.9060, 0.3061

Inverse Universe

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



29.8829, 20.1076, 64.5965



39.3136, 23.2052, 97.0147



42.8849, 26.8386, 63.9285



12.3646, 12.3294, 15.6656



11.6057, 5.1355, 38.8327



0.7952, 0.3588, 2.3467

Previews

White Background



This preview shows how the XYZ color 38.1867, 54.3972, 19.3135 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 38.1867, 54.3972, 19.3135 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 38.1867, 54.3972, 19.3135

Background



This preview shows how black text looks on a background with the XYZ color 38.1867, 54.3972, 19.3135.



This preview shows how white text looks on a background with the XYZ color 38.1867, 54.3972,

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

38.1867, 54.3972, 19.3135

Protanopia

49.1193, 53.7519, 17.2375

Deuteranopia

55.0071, 53.8344, 20.0623



Tritanopia

48.6255, 53.9686, 72.1441

Trichromacy



Original Color

38.1867, 54.3972, 19.3135

Protanomaly

44.2608, 53.6050, 17.9115

Deuteranomaly

47.2208, 53.0529, 19.5558

Tritanomaly

43.6415, 53.7031, 46.5937

Monochromacy



Original Color

38.1867, 54.3972, 19.3135

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.6366, 48.3042, 35.6156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1867, 54.3972, 19.3135 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(150, 212, 95)` looks like.

```
.text, #text, p{  
    color:rgb(150, 212, 95)  
}
```

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(150, 212, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 212, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.1867, 54.3972, 19.3135 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(150, 212, 95) }
```


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

```
.border{ border-color:rgb(150, 212, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 212, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 212, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 212, 95);  
box-shadow:4px 4px 4px 4px rgb(150, 212,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1867, 54.3972, 19.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 212, 95) }
```

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

```
.background{ background-color: rgb(150,  
212, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor