

Converting Colors

XYZ(38.5152, 54.2304, 19.2428)

Have a look what the booklet for
XYZ(38.5152, 54.2304, 19.2428)
contains.

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Color

**XYZ(38.4967, 54.1871,
19.2566)**

Conversions

Conversions Part 1

Format	Color
Hex	99D35F
RGB	153, 211, 95
RGB Percent	60%, 83%, 37%
CMY	0.4000, 0.1725, 0.6274
CMYK	0.27, 0.00, 0.55, 0.17
HSL	90°, 57%, 60%
HSV	90°, 55%, 83%
XYZ	38.4967, 54.1871, 19.2566
YIQ	180.4340, 2.6680, -48.3720

Conversions

Conversions Part 2

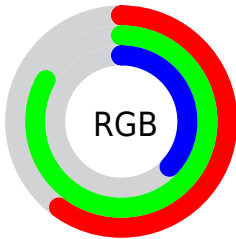
Format	Color
RYB	95, 211, 153
Decimal	10081119
CIELab	78.57, -37.69, 50.79
CIELCh	79, 63.248, 126.580
Yxy	54.1871, 0.3439, 0.4841
Android (android.graphics.Color)	4288271199 (0xFF99D35F)
YUV	180.4340, -42.1190, -24.0596
Hunter-Lab	73.6119, -35.4709, 36.0183

Details

The XYZ color **38.4967, 54.1871, 19.2566** 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 **28.9893, 19.6614, 63.8983**, and the grayscale version is **43.8357, 46.1185, 50.2231**.

A 20% lighter version of the original color is **67.6836, 87.3598, 41.3118**, and **17.3434, 26.5408, 6.3993** is the 20% darker color. If you saturate the color by 10%, you get **35.7607, 52.8746, 14.7824**, and if you desaturate by 10%, it is **41.6712, 55.6991, 25.1093**.

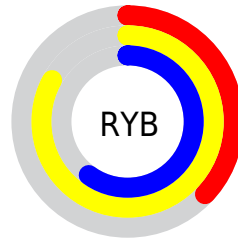
Distribution



Red (60%)

Green (83%)

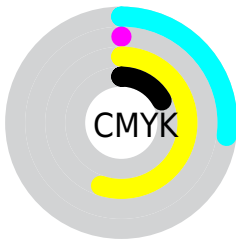
Blue (37%)



Red (37%)

Yellow (83%)

Blue (60%)

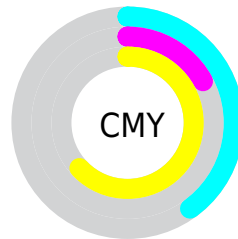


Cyan (27%)

Magenta (0%)

Yellow (55%)

Black (17%)



Cyan (40%)


Magenta (17%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4967, 54.1871, 19.2566 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 38.4967, 54.1871, 19.2566 by changing the saturation by 10% instead.


 38.4967, 54.1871,
19.2566


 38.4967, 54.1871,
19.2566


330.9900,
402.8231, 260.3315


 26.5474, 38.7513,
11.6772


 72.1678, 96.3489,
43.0097


 17.3684, 26.5663,
6.4044


 94.6203, 123.8437,
60.0204

 10.5944, 17.2478,
3.0198


 121.3046,
156.1269, 81.0120

 5.8601, 10.4113,
1.1047

 152.5860,
193.5829, 106.4030

 2.8000, 5.6725,
0.0000

188.8299,
236.5961, 136.6119

 1.0489, 2.6470,
0.0000

230.4016,

 0.0000, 0.9503,

285.5510, 172.0572

0.0000

277.6666,
340.8318, 213.1576

■ 0.0000, 0.0000,
0.0000

■ 38.4967, 54.1871,
19.2566

■ 38.4967, 54.1871,
19.2566

■ 35.7607, 52.8746,
14.7824

■ 41.6712, 55.6991,
25.1093

■ 33.4333, 51.7434,
11.5697

■ 45.3037, 57.4133,
32.4378

■ 31.4860, 50.7836,
9.4881

■ 49.4172, 59.3412,
41.3348

■ 29.8835, 49.9804,
8.3768

■ 54.0315, 61.4912,
51.8841

■ 29.1795, 49.6242,
8.0405

■ 59.1655, 63.8714,
64.1639

■ 64.8368, 66.4892,
78.2471

■ 71.0622, 69.3518,
94.2026

■ 76.4068, 71.8857,
104.4560

■ 80.0422, 73.7598,
104.6261

Harmonies

Analogous

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



48.8048, 54.1871, 13.7010



38.4967, 54.1871, 19.2566



32.4881, 54.1871, 35.7019

Triad

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



38.4967, 54.1871, 19.2566



42.5499, 54.1871, 147.0884



79.1784, 54.1871, 51.4778

Complementary

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



38.4967, 54.1871, 19.2566



28.9893, 19.6614, 63.8983

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.



76.7824, 54.1871, 90.7143



38.4967, 54.1871, 19.2566



54.2993, 54.1871, 156.8659

Square

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



38.4967, 54.1871, 19.2566



34.5508, 54.1871, 110.1042



67.1518, 54.1871, 133.0928



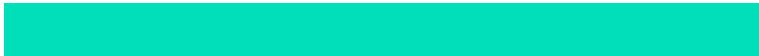
73.2530, 54.1871, 26.8137

Rectangle

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



38.4967, 54.1871, 19.2566



31.0874, 54.1871, 54.9984



67.1518, 54.1871, 133.0928



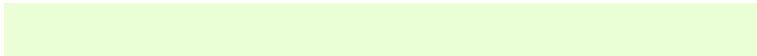
79.3320, 54.1871, 63.1923

Sweetspot

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



38.4980, 54.1895, 19.2578



82.0517, 93.9792, 77.5675



40.3229, 37.4596, 15.9324



17.2373, 19.9641, 15.8494



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.



38.4980, 54.1895, 19.2578



54.2287, 80.8437, 21.6989



30.0808, 49.8502, 18.8639



12.2114, 13.4924, 12.5727



17.7272, 30.0076, 4.8577



1.0827, 1.7250, 0.2759

Inverse Universe

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



28.9893, 19.6614, 63.8983



38.1971, 22.6296, 96.9625



42.7163, 26.7380, 64.5407



11.7188, 11.7039, 14.8851



10.7660, 4.7304, 37.5381



0.6935, 0.3117, 2.1032

Previews

White Background



This preview shows how the XYZ color 38.4967, 54.1871, 19.2566 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 38.4967, 54.1871, 19.2566 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 38.4967, 54.1871, 19.2566

Background



This preview shows how black text looks on a background with the XYZ color 38.4967, 54.1871, 19.2566.



This preview shows how white text looks on a background with the XYZ color 38.4967, 54.1871,

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

38.4967, 54.1871, 19.2566

Protanopia

49.1616, 53.7688, 17.4602

Deuteranopia

54.6723, 53.6618, 20.0466



Tritanopia

48.9092, 53.7893, 71.4229

Trichromacy



Original Color

38.4967, 54.1871, 19.2566

Protanomaly

44.3243, 53.2877, 18.0746

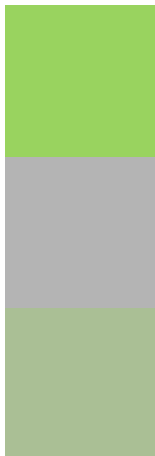
Deuteranomaly

46.9975, 52.6062, 19.4814

Tritanomaly

44.0165, 53.5447, 46.5433

Monochromacy



Original Color

38.4967, 54.1871, 19.2566

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.6332, 47.9776, 35.5528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4967, 54.1871, 19.2566 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(153, 211, 95)` looks like.

```
.text, #text, p{  
    color:rgb(153, 211, 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(153, 211, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 211, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.4967, 54.1871, 19.2566 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(153, 211, 95) }
```


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

```
.border{ border-color:rgb(153, 211, 95) }
```

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

Here you see how a box with a 4 pixel rgb(153, 211, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 211, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 211, 95);  
box-shadow:4px 4px 4px 4px rgb(153, 211,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4967, 54.1871, 19.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 211, 95) }
```

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

```
.background{ background-color: rgb(153,  
211, 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](#).

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