

Converting Colors

XYZ(38.3861, 49.6194, 19.3953)

Have a look what the booklet for
XYZ(38.3861, 49.6194, 19.3953)
contains.

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Color

**XYZ(38.3826, 49.5045,
19.3367)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C663
RGB	167, 198, 99
RGB Percent	65%, 78%, 39%
CMY	0.3451, 0.2235, 0.6118
CMYK	0.16, 0.00, 0.50, 0.22
HSL	79°, 46%, 58%
HSV	79°, 50%, 78%
XYZ	38.3826, 49.5045, 19.3367
YIQ	177.4450, 13.3030, -37.3610

Conversions

Conversions Part 2

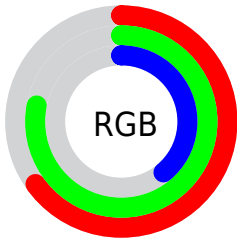
Format	Color
RYB	99, 198, 130
Decimal	10995299
CIELab	75.76, -25.96, 45.80
CIELCh	76, 52.642, 119.548
Yxy	49.5045, 0.3580, 0.4617
Android (android.graphics.Color)	4289185379 (0xFFA7C663)
YUV	177.4450, -38.6734, -9.1603
Hunter-Lab	70.3594, -25.7534, 32.9571

Details

The XYZ color **38.3826, 49.5045, 19.3367** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.8627, 17.7480, 55.5969**, and the grayscale version is **42.2176, 44.4162, 48.3692**.

A 20% lighter version of the original color is **72.1680, 89.6343, 43.2033**, and **17.3168, 23.6706, 6.4525** is the 20% darker color. If you saturate the color by 10%, you get **36.2713, 48.5140, 14.8882**, and if you desaturate by 10%, it is **40.7912, 50.6247, 25.0124**.

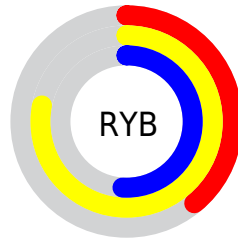
Distribution



Red (65%)

Green (78%)

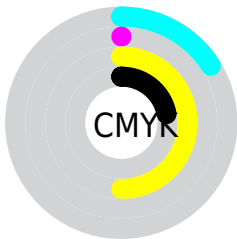
Blue (39%)



Red (39%)

Yellow (78%)

Blue (51%)

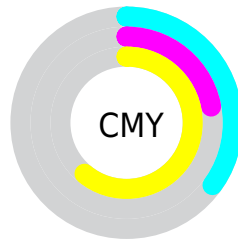


Cyan (16%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3826, 49.5045, 19.3367 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 38.3826, 49.5045, 19.3367 by changing the saturation by 10% instead.

■ 38.3826, 49.5045,
19.3367

■ 38.3826, 49.5045,
19.3367

330.5109,
384.7251, 260.7857

■ 26.4583, 35.0198,
11.7346

■ 71.9943, 89.4403,
43.1465

■ 17.3013, 23.6782,
6.4429

■ 94.4125, 115.6602,
60.1913

■ 10.5462, 15.0951,
3.0431

■ 121.0593,
146.5607, 81.2207

■ 5.8276, 8.8861,
1.1167

■ 152.3001,
182.5261, 106.6532

■ 2.7802, 4.6670,
0.0000

188.5004,
223.9408, 136.9074

■ 1.0386, 2.0532,
0.0000

230.0253,

■ 0.0000, 0.6381,

271.1893, 172.4019

0.0000

277.2404,
324.6559, 213.5551

■ 0.0000, 0.0000,
0.0000

■ 38.3826, 49.5045,
19.3367

■ 38.3826, 49.5045,
19.3367

■ 36.2713, 48.5140,
14.8882

■ 40.7912, 50.6247,
25.0124

■ 34.4356, 47.6391,
11.5728

■ 43.5099, 51.8745,
31.9941

■ 32.8562, 46.8738,
9.2880


■ 46.5549, 53.2623,
40.3573


■ 31.5087, 46.2083,
7.9110


■ 49.9402, 54.7937,
50.1713


■ 30.3478, 45.6242,
7.2069


■ 53.6787, 56.4741,
61.5005

 30.3478, 45.6242,
7.2068

 57.7828, 58.3085,
74.4054

 62.2642, 60.3016,
88.9434

 66.7439, 62.3019,
103.1154

 68.6175, 63.2678,
103.2031

Harmonies

Analogous

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



47.2009, 49.5045, 16.0153



38.3826, 49.5045, 19.3367



32.6444, 49.5045, 30.9731

Triad

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



38.3826, 49.5045, 19.3367



38.1589, 49.5045, 114.8594



68.4498, 49.5045, 54.3276

Complementary

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



38.3826, 49.5045, 19.3367



23.8627, 17.7480, 55.5969

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.



65.1769, 49.5045, 86.0276



38.3826, 49.5045, 19.3367



46.9045, 49.5045, 127.5904

Square

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



38.3826, 49.5045, 19.3367



32.5284, 49.5045, 85.0273



56.9386, 49.5045, 115.5638



65.3613, 49.5045, 31.4841

Rectangle

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



38.3826, 49.5045, 19.3367



30.8901, 49.5045, 44.7186



56.9386, 49.5045, 115.5638



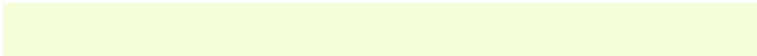
68.0511, 49.5045, 64.2637

Sweetspot

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



38.3838, 49.5067, 19.3378



85.2214, 95.5752, 79.4315



33.3534, 28.5297, 15.5539



17.9700, 20.3344, 16.2215



0.0000, 0.0000, 0.0000



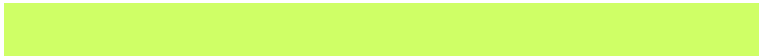
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3838, 49.5067, 19.3378



63.9142, 85.7570, 25.7545



30.0281, 45.1992, 18.9467



11.1883, 12.2440, 11.3364



19.8264, 29.7162, 4.6908



1.0110, 1.4443, 0.2255

Inverse Universe

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



23.8627, 17.7480, 55.5969



35.3634, 23.1987, 97.2217



33.0627, 22.4908, 56.0274



10.3640, 10.4459, 13.3875



7.9996, 3.3582, 34.9709



0.4543, 0.1979, 1.6594

Previews

White Background



This preview shows how the XYZ color 38.3826, 49.5045, 19.3367 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 38.3826, 49.5045, 19.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

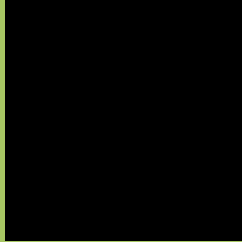
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3826, 49.5045, 19.3367

Background



This preview shows how black text looks on a background with the XYZ color 38.3826, 49.5045, 19.3367.



This preview shows how white text looks on a background with the XYZ color 38.3826, 49.5045,

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

38.3826, 49.5045, 19.3367

Protanopia

45.0781, 49.0658, 17.9213

Deuteranopia

50.0976, 49.1712, 19.9473



Tritanopia

47.1353, 49.4610, 62.3210

Trichromacy



Original Color

38.3826, 49.5045, 19.3367

Protanomaly

42.2630, 48.8779, 18.2732

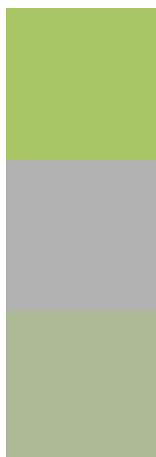
Deuteranomaly

44.9241, 48.6364, 19.5904

Tritanomaly

43.0108, 49.0559, 42.3238

Monochromacy



Original Color

38.3826, 49.5045, 19.3367

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.0074, 45.7521, 35.1562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3826, 49.5045, 19.3367 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(167, 198, 99)` looks like.

```
.text, #text, p{  
    color:rgb(167, 198, 99)  
}
```

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(167, 198, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 198, 99) }
```

Border

The CSS property to change the border of an element to XYZ 38.3826, 49.5045, 19.3367 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(167, 198, 99) }
```


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

```
.border{ border-color:rgb(167, 198, 99) }
```

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

Here you see how a box with a 4 pixel rgb(167, 198, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 198, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 198, 99);  
box-shadow:4px 4px 4px 4px rgb(167, 198,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3826, 49.5045, 19.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 198, 99) }
```

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

```
.background{ background-color: rgb(167,  
198, 99) }
```

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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