

Converting Colors

XYZ(38.5493, 50.2838, 19.2358)

Have a look what the booklet for
XYZ(38.5493, 50.2838, 19.2358)
contains.

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Color

**XYZ(38.5848, 50.2974,
19.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C862
RGB	166, 200, 98
RGB Percent	65%, 78%, 38%
CMY	0.3490, 0.2157, 0.6157
CMYK	0.17, 0.00, 0.51, 0.22
HSL	80°, 48%, 58%
HSV	80°, 51%, 78%
XYZ	38.5848, 50.2974, 19.2300
YIQ	178.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

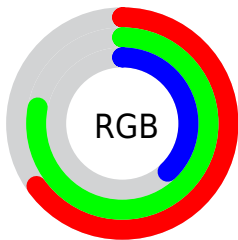
Format	Color
RYB	98, 200, 132
Decimal	10930274
CIELab	76.25, -27.41, 46.84
CIELCh	76, 54.275, 120.337
Yxy	50.2974, 0.3569, 0.4652
Android (android.graphics.Color)	4289120354 (0xFFA6C862)
YUV	178.2060, -39.5416, -10.7047
Hunter-Lab	70.9207, -26.9972, 33.5681

Details

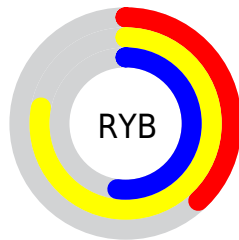
The XYZ color **38.5848, 50.2974, 19.2300** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.3107, 17.8124, 56.8033**, and the grayscale version is **42.6254, 44.8453, 48.8365**.

A 20% lighter version of the original color is **71.7773, 89.4423, 42.7592**, and **17.4741, 24.2077, 6.4409** is the 20% darker color. If you saturate the color by 10%, you get **36.3947, 49.2658, 14.7992**, and if you desaturate by 10%, it is **41.0858, 51.4652, 24.9089**.

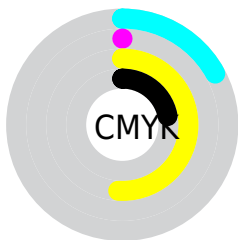
Distribution



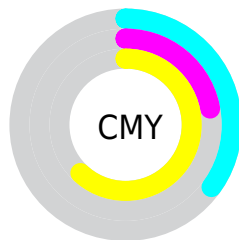
- Red (65%)
- Green (78%)
- Blue (38%)



- Red (38%)
- Yellow (78%)
- Blue (52%)



- Cyan (17%)
- Magenta (0%)
- Yellow (51%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5848, 50.2974, 19.2300 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 38.5848, 50.2974, 19.2300 by changing the saturation by 10% instead.

■ 38.5848, 50.2974,
19.2300

■ 38.5848, 50.2974,
19.2300

331.3596,
387.8278, 260.1805

■ 26.6162, 35.6498,
11.6581

■ 72.3017, 90.6154,
42.9642

■ 17.4202, 24.1638,
6.3916

■ 94.7807, 117.0545,
59.9637

■ 10.6317, 15.4552,
3.0120

■ 121.4939,
148.1929, 80.9427

■ 5.8852, 9.1395,
1.1008

■ 152.8066,
184.4149, 106.3198

■ 2.8154, 4.8323,
0.0000

189.0842,
226.1051, 136.5136

■ 1.0569, 2.1492,
0.0000

230.6919,

■ 0.0000, 0.6921,

273.6477, 171.9427

0.0000

277.9953,
327.4271, 213.0254

■ 0.0000, 0.0000,
0.0000

■ 38.5848, 50.2974,
19.2300

■ 38.5848, 50.2974,
19.2300

■ 36.3947, 49.2658,
14.7992

■ 41.0858, 51.4652,
24.9089

■ 34.4928, 48.3560,
11.5189

■ 43.9111, 52.7695,
31.9174

■ 32.8588, 47.5614,
9.2823

■ 47.0777, 54.2190,
40.3337

■ 31.4672, 46.8718,
7.9610

■ 50.6001, 55.8195,
50.2293

■ 30.3802, 46.3241,
7.3402

■ 54.4920, 57.5766,
61.6706

■ 58.7662, 59.4956,
74.7200

■ 63.4348, 61.5815,
89.4367

■ 68.0215, 63.6437,
103.3071

■ 70.0721, 64.7009,
103.4031

Harmonies

Analogous

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



47.6912, 50.2974, 15.6571



38.5848, 50.2974, 19.2300



32.7336, 50.2974, 31.4414

Triad

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



38.5848, 50.2974, 19.2300



38.7578, 50.2974, 119.3544



70.1750, 50.2974, 54.4364

Complementary

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



38.5848, 50.2974, 19.2300



24.3107, 17.8124, 56.8033

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.



66.9138, 50.2974, 87.4605



38.5848, 50.2974, 19.2300



47.9213, 50.2974, 132.1337

Square

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



38.5848, 50.2974, 19.2300



32.8231, 50.2974, 88.2427



58.3908, 50.2974, 118.8013



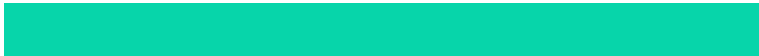
66.7699, 50.2974, 31.0487

Rectangle

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



38.5848, 50.2974, 19.2300



30.9884, 50.2974, 45.8835



58.3908, 50.2974, 118.8013



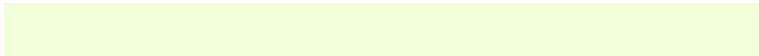
69.8173, 50.2974, 64.7252

Sweetspot

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



38.5860, 50.2996, 19.2311



84.9552, 95.4380, 79.4190



34.2771, 29.6654, 15.4754



17.9057, 20.3012, 16.2185



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.



38.5860, 50.2996, 19.2311



62.7015, 85.1462, 25.0476



29.9307, 45.8377, 18.8260



11.1671, 12.2331, 11.3354



19.4141, 29.5036, 4.6715



0.9938, 1.4354, 0.2247

Inverse Universe

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



24.3107, 17.8124, 56.8033



35.3740, 22.8378, 97.1515



34.3233, 22.9741, 57.2719



10.3843, 10.4564, 13.3885



8.1720, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 38.5848, 50.2974, 19.2300 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 38.5848, 50.2974, 19.2300 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 38.5848, 50.2974, 19.2300

Background



This preview shows how black text looks on a background with the XYZ color 38.5848, 50.2974, 19.2300.



This preview shows how white text looks on a background with the XYZ color 38.5848, 50.2974,

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

38.5848, 50.2974, 19.2300

Protanopia

45.7357, 50.0400, 17.8378

Deuteranopia

50.8814, 49.8775, 19.7775



Tritanopia

47.3531, 49.8619, 63.6285

Trichromacy



Original Color

38.5848, 50.2974, 19.2300

Protanomaly

42.6534, 49.7320, 18.1776

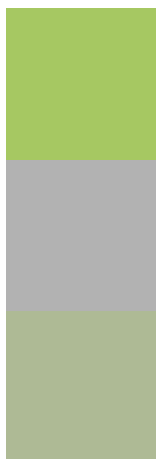
Deuteranomaly

45.5729, 49.6020, 19.4841

Tritanomaly

43.0967, 49.4146, 42.8638

Monochromacy



Original Color

38.5848, 50.2974, 19.2300

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.4393, 46.2864, 35.2366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5848, 50.2974, 19.2300 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(166, 200, 98)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 98)  
}
```

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(166, 200, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 98) }
```

Border

The CSS property to change the border of an element to XYZ 38.5848, 50.2974, 19.2300 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(166, 200, 98) }
```


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

```
.border{ border-color:rgb(166, 200, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 200, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 98);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5848, 50.2974, 19.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 98) }
```

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

```
.background{ background-color: rgb(166,  
200, 98) }
```

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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