

Converting Colors

XYZ(38.4001, 49.1073, 20.1504)

Have a look what the booklet for
XYZ(38.4001, 49.1073, 20.1504)
contains.

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Color

**XYZ(38.5130, 49.2166,
20.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C566
RGB	168, 197, 102
RGB Percent	66%, 77%, 40%
CMY	0.3412, 0.2274, 0.6000
CMYK	0.15, 0.00, 0.48, 0.23
HSL	78°, 45%, 59%
HSV	78°, 48%, 77%
XYZ	38.5130, 49.2166, 20.0403
YIQ	177.4990, 13.2110, -35.6930

Conversions

Conversions Part 2

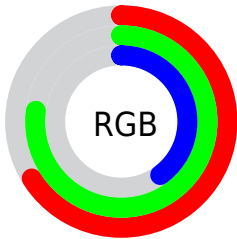
Format	Color
RYB	102, 197, 131
Decimal	11060582
CIELab	75.59, -24.77, 44.14
CIElCh	76, 50.618, 119.303
Yxy	49.2166, 0.3574, 0.4567
Android (android.graphics.Color)	4289250662 (0xFFA8C566)
YUV	177.4990, -37.2210, -8.3306
Hunter-Lab	70.1545, -24.7786, 32.1714

Details

The XYZ color **38.5130, 49.2166, 20.0403** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.1914, 18.3606, 55.0950**, and the grayscale version is **42.2387, 44.4384, 48.3934**.

A 20% lighter version of the original color is **72.4095, 89.2577, 44.4224**, and **17.3594, 23.4613, 6.7455** is the 20% darker color. If you saturate the color by 10%, you get **36.3992, 48.2283, 15.4336**, and if you desaturate by 10%, it is **40.9206, 50.3327, 25.8745**.

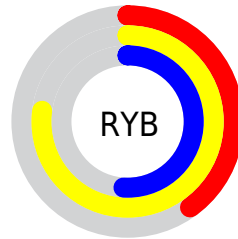
Distribution



Red (66%)

Green (77%)

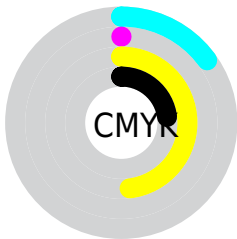
Blue (40%)



Red (40%)

Yellow (77%)

Blue (51%)

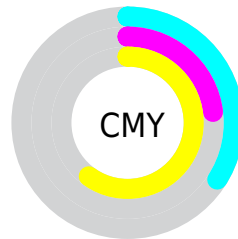


Cyan (15%)

Magenta (0%)

Yellow (48%)

Black (23%)



Cyan (34%)

Magenta (23%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5130, 49.2166, 20.0403 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 38.5130, 49.2166, 20.0403 by changing the saturation by 10% instead.

■ 38.5130, 49.2166,
20.0403

■ 38.5130, 49.2166,
20.0403

331.0584,
383.5944, 264.7447

■ 26.5601, 34.7913,
12.2400

■ 72.1926, 89.0131,
44.3446

■ 17.3780, 23.5022,
6.7828

■ 94.6500, 115.1531,
61.6857

■ 10.6013, 14.9648,
3.2503

■ 121.3396,
145.9667, 83.0440

■ 5.8647, 8.7947,
1.2238

■ 152.6268,
181.8385, 108.8383

■ 2.8029, 4.6075,
0.0000

188.8770,
223.1528, 139.4869

■ 1.0504, 2.0189,
0.0000

230.4554,

■ 0.0000, 0.6184,

270.2939, 175.4085

0.0000

277.7274,
323.6463, 217.0216

■ 0.0000, 0.0000,
0.0000

■ 38.5130, 49.2166,
20.0403

■ 38.5130, 49.2166,
20.0403

■ 36.3992, 48.2283,
15.4336

■ 40.9206, 50.3327,
25.8745

■ 34.5581, 47.3540,
11.9633

■ 43.6343, 51.5765,
33.0126

■ 32.9712, 46.5882,
9.5307


■ 46.6699, 52.9561,
41.5281


■ 31.6154, 45.9213,
8.0186


■ 50.0408, 54.4769,
51.4886


■ 30.4557, 45.3393,
7.2467


■ 53.7598, 56.1441,
62.9570

 30.2606, 45.2410,
7.1375

 57.8387, 57.9626,
75.9924

 62.2890, 59.9369,
90.6508

 66.3708, 61.7713,
103.0327

 68.1818, 62.7050,
103.1174

Harmonies

Analogous

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



46.9980, 49.2166, 16.8104



38.5130, 49.2166, 20.0403



32.9492, 49.2166, 31.3508

Triad

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



38.5130, 49.2166, 20.0403



38.1811, 49.2166, 111.2390



67.1775, 49.2166, 54.2175

Complementary

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



38.5130, 49.2166, 20.0403



24.1914, 18.3606, 55.0950

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.



64.0206, 49.2166, 84.4364



38.5130, 49.2166, 20.0403



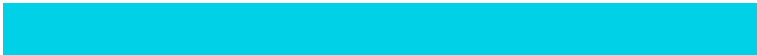
46.5605, 49.2166, 123.4012

Square

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



38.5130, 49.2166, 20.0403



32.7763, 49.2166, 82.9754



56.1502, 49.2166, 112.2617



64.2907, 49.2166, 32.1161

Rectangle

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



38.5130, 49.2166, 20.0403



31.2315, 49.2166, 44.5811



56.1502, 49.2166, 112.2617



66.7819, 49.2166, 63.7342

Sweetspot

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



38.5142, 49.2188, 20.0413



85.9289, 95.9014, 81.2070



33.4753, 28.9298, 16.3907



18.1152, 20.4017, 16.5711



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.



38.5142, 49.2188, 20.0413



64.9536, 86.2627, 27.1645



30.2513, 44.9591, 19.6547



11.1966, 12.2483, 11.3368



19.9911, 29.8011, 4.6985



1.0178, 1.4478, 0.2258

Inverse Universe

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



24.1914, 18.3606, 55.0950



36.3147, 24.4562, 97.4143



33.1913, 23.0002, 55.5162



10.3562, 10.4419, 13.3871



7.9356, 3.3252, 34.9679



0.4506, 0.1960, 1.6592

Previews

White Background



This preview shows how the XYZ color 38.5130, 49.2166, 20.0403 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 38.5130, 49.2166, 20.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

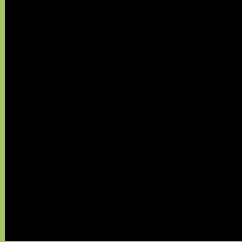
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5130, 49.2166, 20.0403

Background



This preview shows how black text looks on a background with the XYZ color 38.5130, 49.2166, 20.0403.



This preview shows how white text looks on a background with the XYZ color 38.5130, 49.2166,

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

38.5130, 49.2166, 20.0403

Protanopia

44.9403, 48.9788, 18.6405

Deuteranopia

49.7400, 48.6746, 20.6835



Tritanopia

46.9239, 49.0382, 62.2505

Trichromacy



Original Color

38.5130, 49.2166, 20.0403

Protanomaly

42.4038, 48.9342, 19.0147

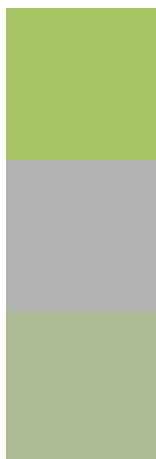
Deuteranomaly

44.8671, 48.2800, 20.3188

Tritanomaly

43.1095, 48.7736, 42.7394

Monochromacy



Original Color

38.5130, 49.2166, 20.0403

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3095, 45.8986, 35.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5130, 49.2166, 20.0403 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(168, 197, 102)` looks like.

```
.text, #text, p{  
    color:rgb(168, 197, 102)  
}
```

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(168, 197, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 197, 102) }
```

Border

The CSS property to change the border of an element to XYZ 38.5130, 49.2166, 20.0403 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(168, 197, 102) }
```


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

```
.border{ border-color:rgb(168, 197, 102) }
```

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

Here you see how a box with a 4 pixel rgb(168, 197, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 197, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 197, 102);  
box-shadow:4px 4px 4px 4px rgb(168, 197,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5130, 49.2166, 20.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 197, 102) }
```

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

```
.background{ background-color: rgb(168,  
197, 102) }
```

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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