

Converting Colors

XYZ(38.8162, 51.0317, 15.0271)

Have a look what the booklet for
XYZ(38.8162, 51.0317, 15.0271)
contains.

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Color

**XYZ(38.8579, 51.2261,
15.0473)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CA4E
RGB	169, 202, 78
RGB Percent	66%, 79%, 31%
CMY	0.3373, 0.2078, 0.6941
CMYK	0.16, 0.00, 0.61, 0.21
HSL	76°, 54%, 55%
HSV	76°, 61%, 79%
XYZ	38.8579, 51.2261, 15.0473
YIQ	177.9970, 20.1360, -45.5600

Conversions

Conversions Part 2

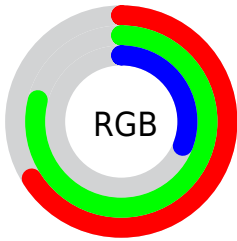
Format	Color
RYB	78, 202, 111
Decimal	11127374
CIELab	76.82, -28.97, 56.63
CIELCh	77, 63.607, 117.098
Yxy	51.2261, 0.3696, 0.4873
Android (android.graphics.Color)	4289317454 (0xFFA9CA4E)
YUV	177.9970, -49.2985, -7.8904
Hunter-Lab	71.5724, -28.3410, 37.6356

Details

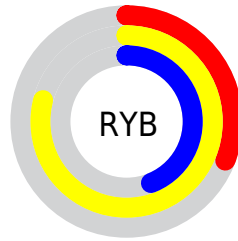
The XYZ color **38.8579, 51.2261, 15.0473** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.9425, 13.0938, 57.3563**, and the grayscale version is **42.5618, 44.7783, 48.7636**.

A 20% lighter version of the original color is **71.6034, 89.5168, 35.3344**, and **17.6469, 24.8042, 4.4737** is the 20% darker color. If you saturate the color by 10%, you get **37.1126, 50.3993, 11.7488**, and if you desaturate by 10%, it is **40.8755, 52.1710, 19.5215**.

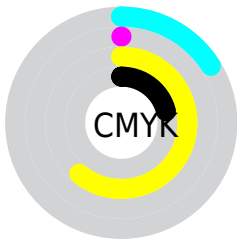
Distribution



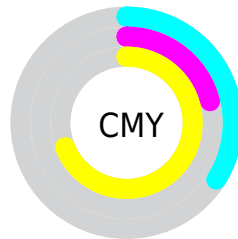
- Red (66%)
- Green (79%)
- Blue (31%)



- Red (31%)
- Yellow (79%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (61%)
- Black (21%)



- Cyan (34%)
- Magenta (21%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8579, 51.2261, 15.0473 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 38.8579, 51.2261, 15.0473 by changing the saturation by 10% instead.

■ 38.8579, 51.2261,
15.0473

■ 38.8579, 51.2261,
15.0473

332.5035,
391.4416, 235.3030

■ 26.8294, 36.3886,
8.7056

■ 72.7166, 91.9889,
35.6796

■ 17.5811, 24.7345,
4.4555

■ 95.2776, 118.6830,
50.8073

■ 10.7475, 15.8793,
1.8784

■ 122.0802,
150.0980, 69.7007

■ 5.9634, 9.4388,
0.4789

■ 153.4896,
186.6184, 92.7785

■ 2.8633, 5.0285,
0.0000

■ 189.8713,
228.6286, 120.4590

■ 1.0819, 2.2640,
0.0000

231.5906,

■ 0.0099, 0.7545,

276.5129, 153.1609

0.0000

279.0129,
330.6558, 191.3027

■ 0.0000, 0.0000,
0.0000

■ 38.8579, 51.2261,
15.0473

■ 38.8579, 51.2261,
15.0473

■ 37.1126, 50.3993,
11.7488

■ 40.8755, 52.1710,
19.5215

■ 35.6143, 49.6748,
9.5114

■ 43.1808, 53.2346,
25.2653

■ 34.3384, 49.0447,
8.2037

■ 45.7920, 54.4263,
32.3669

■ 33.3775, 48.5614,
7.6141

■ 48.7247, 55.7522,
40.9056

■ 51.9935, 57.2183,
50.9549

■ 55.6118, 58.8299,
62.5828

■ 59.5921, 60.5923,
75.8537

■ 63.9467, 62.5102,
90.8279

■ 67.9029, 64.2748,
103.4351

Harmonies

Analogous

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



49.8740, 51.2261, 12.2312



38.8579, 51.2261, 15.0473



31.6775, 51.2261, 26.8873

Triad

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



38.8579, 51.2261, 15.0473



37.1320, 51.2261, 132.3273



75.7602, 51.2261, 59.2118

Complementary

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



38.8579, 51.2261, 15.0473



19.9425, 13.0938, 57.3563

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.



70.9059, 51.2261, 100.2667



38.8579, 51.2261, 15.0473



47.5226, 51.2261, 152.0588

Square

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



38.8579, 51.2261, 15.0473



30.8029, 51.2261, 91.8893



60.0521, 51.2261, 138.4075



72.4272, 51.2261, 30.6345

Rectangle

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



38.8579, 51.2261, 15.0473



29.3788, 51.2261, 42.2051



60.0521, 51.2261, 138.4075



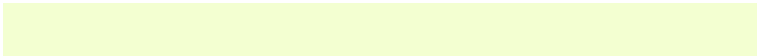
75.0154, 51.2261, 71.9839

Sweetspot

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



38.8591, 51.2284, 15.0484



84.1683, 95.1445, 74.3151



31.2027, 24.0454, 10.2051



17.6783, 20.2132, 14.8873



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.



38.8591, 51.2284, 15.0484



61.8670, 84.8640, 18.3204



28.8041, 46.0448, 14.5778



11.8512, 12.9407, 11.9526



21.5650, 31.2925, 4.9035



1.1819, 1.6501, 0.2562

Inverse Universe

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



19.9425, 13.0938, 57.3563



27.2883, 14.9007, 96.0456



30.1814, 18.3722, 57.8355



10.8772, 10.9860, 14.1176



7.9037, 3.2821, 36.1732



0.4813, 0.2073, 1.8696

Previews

White Background



This preview shows how the XYZ color 38.8579, 51.2261, 15.0473 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 38.8579, 51.2261, 15.0473 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 38.8579, 51.2261, 15.0473

Background



This preview shows how black text looks on a background with the XYZ color 38.8579, 51.2261, 15.0473.



This preview shows how white text looks on a background with the XYZ color 38.8579, 51.2261,

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

38.8579, 51.2261, 15.0473

Protanopia

46.2976, 50.7385, 13.8319

Deuteranopia

51.8926, 50.7908, 15.6629



Tritanopia

48.8638, 50.9452, 64.3847

Trichromacy



Original Color

38.8579, 51.2261, 15.0473

Protanomaly

43.3267, 50.8273, 14.1837

Deuteranomaly

46.0846, 50.2773, 15.2582

Tritanomaly

44.0537, 50.6359, 39.7996

Monochromacy



Original Color

38.8579, 51.2261, 15.0473

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3320, 46.6076, 32.4616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8579, 51.2261, 15.0473 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(169, 202, 78)` looks like.

```
.text, #text, p{  
    color:rgb(169, 202, 78)  
}
```

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(169, 202, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 202, 78) }
```

Border

The CSS property to change the border of an element to XYZ 38.8579, 51.2261, 15.0473 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(169, 202, 78) }
```


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

```
.border{ border-color:rgb(169, 202, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 202, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 202, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 202, 78);  
box-shadow:4px 4px 4px 4px rgb(169, 202,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8579, 51.2261, 15.0473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 202, 78) }
```

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

```
.background{ background-color: rgb(169,  
202, 78) }
```

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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