

Converting Colors

XYZ(40.5598, 57.2433, 11.2072)

Have a look what the booklet for
XYZ(40.5598, 57.2433, 11.2072)
contains.

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Color

**XYZ(40.5090, 57.2855,
11.2077)**

Conversions

Conversions Part 1

Format	Color
Hex	A5D82B
RGB	165, 216, 43
RGB Percent	65%, 85%, 17%
CMY	0.3529, 0.1529, 0.8313
CMYK	0.24, 0.00, 0.80, 0.15
HSL	78°, 69%, 51%
HSV	78°, 80%, 85%
XYZ	40.5090, 57.2855, 11.2077
YIQ	181.0290, 25.1370, -64.6150

Conversions

Conversions Part 2

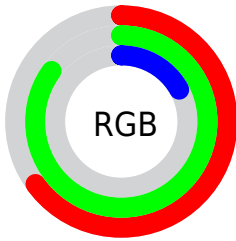
Format	Color
RYB	43, 216, 94
Decimal	10868779
CIELab	80.34, -38.98, 72.37
CIELCh	80, 82.203, 118.308
Yxy	57.2855, 0.3716, 0.5255
Android (android.graphics.Color)	4289058859 (0xFFA5D82B)
YUV	181.0290, -68.0483, -14.0574
Hunter-Lab	75.6872, -36.9165, 44.2014

Details

The XYZ color **40.5090, 57.2855, 11.2077** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **17.8770, 9.0669, 65.7770**, and the grayscale version is **44.2855, 46.5918, 50.7384**.

A 20% lighter version of the original color is **68.9992, 88.3668, 26.5166**, and **18.9292, 28.6779, 4.5377** is the 20% darker color. If you saturate the color by 10%, you get **38.9213, 56.5032, 9.5843**, and if you desaturate by 10%, it is **42.3749, 58.1908, 13.9404**.

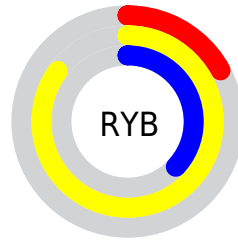
Distribution



Red (65%)

Green (85%)

Blue (17%)



Red (17%)

Yellow (85%)

Blue (37%)

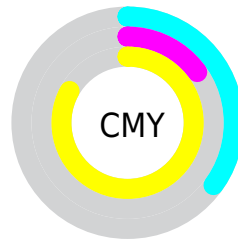


Cyan (24%)

Magenta (0%)

Yellow (80%)

Black (15%)



Cyan (35%)

Magenta (15%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5090, 57.2855, 11.2077 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 40.5090, 57.2855, 11.2077 by changing the saturation by 10% instead.

■ 40.5090, 57.2855,
11.2077

■ 40.5090, 57.2855,
11.2077

339.3620,
414.5183, 209.8753

■ 28.1216, 41.2345,
6.0908

■ 75.2174, 100.8816,
28.6861

■ 18.5583, 28.5024,
2.8307

■ 98.2691, 129.1956,
41.8847

■ 11.4536, 18.7047,
1.0088

■ 125.6063,
162.3660, 58.6142

■ 6.4424, 11.4571,
0.0000

■ 157.5944,
200.7772, 79.2933

■ 3.1591, 6.3752,
0.0000

■ 194.5986,
244.8136, 104.3404

■ 1.2384, 3.0745,
0.0000

■ 236.9844,

■ 0.1364, 1.1708,

294.8597, 134.1740

0.0000

285.1171,
351.2998, 169.2128

■ 0.0000, 0.0376,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5090, 57.2855,
11.2077

■ 40.5090, 57.2855,
11.2077

■ 38.9213, 56.5032,
9.5843

■ 42.3749, 58.1908,
13.9404

■ 37.5659, 55.8205,
8.7945

■ 44.5451, 59.2234,
17.9320

■ 47.0462, 60.3963,
23.3125

■ 49.9007, 61.7185,
30.1951

■ 53.1287, 63.1981,
38.6812

■ 56.7486, 64.8426,
48.8633

■ 60.7774, 66.6589,
60.8271

■ 65.2312, 68.6535,
74.6522

■ 70.1250, 70.8326,
90.4137

Harmonies

Analogous

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



55.4086, 57.2855, 8.0486



40.5090, 57.2855, 11.2077



31.3089, 57.2855, 25.2761

Triad

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



40.5090, 57.2855, 11.2077



39.1661, 57.2855, 179.0080



93.5862, 57.2855, 65.1491

Complementary

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



40.5090, 57.2855, 11.2077



17.8770, 9.0669, 65.7770

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.



86.8559, 57.2855, 124.7700



40.5090, 57.2855, 11.2077



53.4988, 57.2855, 208.2786

Square

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



40.5090, 57.2855, 11.2077



30.6532, 57.2855, 117.4001



71.2661, 57.2855, 184.5879



88.1661, 57.2855, 27.9597

Rectangle

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



40.5090, 57.2855, 11.2077



28.5255, 57.2855, 45.4265



71.2661, 57.2855, 184.5879



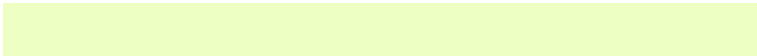
92.6469, 57.2855, 83.0862

Sweetspot

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



40.5103, 57.2881, 11.2089



80.3855, 93.4030, 64.7131



32.5858, 22.4327, 4.8988



16.8043, 19.8095, 12.7284



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.



40.5103, 57.2881, 11.2089



55.3026, 81.5881, 13.1262



28.3432, 51.0157, 10.6395



13.0997, 14.3276, 13.2358



22.3467, 33.0965, 5.2105



1.4288, 2.0380, 0.3181

Inverse Universe

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



17.8770, 9.0669, 65.7770



21.6731, 9.2521, 95.2513



31.7397, 16.2134, 66.4257



12.0833, 12.1843, 15.6525



8.6702, 3.6222, 38.6953



0.6053, 0.2609, 2.3378

Previews

White Background



This preview shows how the XYZ color 40.5090, 57.2855, 11.2077 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 40.5090, 57.2855, 11.2077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

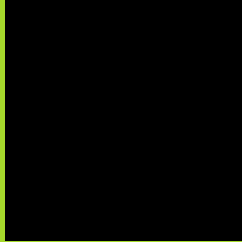
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5090, 57.2855, 11.2077

Background



This preview shows how black text looks on a background with the XYZ color 40.5090, 57.2855, 11.2077.



This preview shows how white text looks on a background with the XYZ color 40.5090, 57.2855,

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

40.5090, 57.2855, 11.2077

Protanopia

51.5301, 56.8406, 10.1749

Deuteranopia

57.7887, 56.4016, 11.7117



Tritanopia

53.1782, 56.9734, 73.8398

Trichromacy



Original Color

40.5090, 57.2855, 11.2077

Protanomaly

46.8429, 56.5124, 10.4466

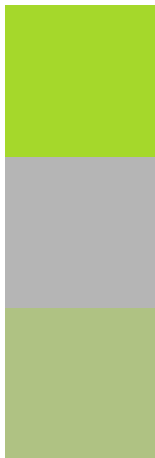
Deuteranomaly

49.7274, 55.5415, 11.3485

Tritanomaly

46.0355, 55.8228, 38.9204

Monochromacy



Original Color

40.5090, 57.2855, 11.2077

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.0677, 49.3362, 28.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5090, 57.2855, 11.2077 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(165, 216, 43)` looks like.

```
.text, #text, p{  
    color:rgb(165, 216, 43)  
}
```

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(165, 216, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 216, 43) }
```

Border

The CSS property to change the border of an element to XYZ 40.5090, 57.2855, 11.2077 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(165, 216, 43) }
```


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

```
.border{ border-color:rgb(165, 216, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 216, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 216, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 216, 43);  
box-shadow:4px 4px 4px 4px rgb(165, 216,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5090, 57.2855, 11.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 216, 43) }
```

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

```
.background{ background-color: rgb(165,  
216, 43) }
```

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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