

Converting Colors

XYZ(41.2086, 66.1875, 11.1758)

Have a look what the booklet for
XYZ(41.2086, 66.1875, 11.1758)
contains.

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Color

**XYZ(41.2086, 66.1875,
11.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	8CED12
RGB	140, 237, 18
RGB Percent	55%, 93%, 7%
CMY	0.4510, 0.0706, 0.9293
CMYK	0.41, 0.00, 0.92, 0.07
HSL	87°, 86%, 50%
HSV	87°, 92%, 93%
XYZ	41.2086, 66.1875, 11.1758
YIQ	183.0310, 12.4870, -88.6730

Conversions

Conversions Part 2

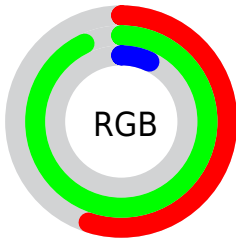
Format	Color
RYB	18, 237, 115
Decimal	9235730
CIELab	85.09, -57.31, 80.65
CIELCh	85, 98.943, 125.396
Yxy	66.1875, 0.3475, 0.5582
Android (android.graphics.Color)	4287425810 (0xFF8CED12)
YUV	183.0310, -81.3603, -37.7382
Hunter-Lab	81.3557, -51.9580, 48.8043

Details

The XYZ color **41.2086, 66.1875, 11.1758** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **22.5773, 10.1947, 80.9023**, and the grayscale version is **45.4574, 47.8247, 52.0811**.

A 20% lighter version of the original color is **61.5998, 84.6075, 23.6739**, and **19.4631, 34.2622, 5.5875** is the 20% darker color. If you saturate the color by 10%, you get **39.8038, 65.4780, 10.5406**, and if you desaturate by 10%, it is **43.3682, 67.2678, 12.8628**.

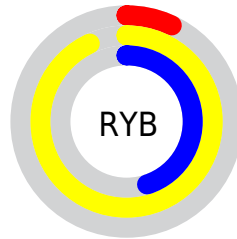
Distribution



Red (55%)

Green (93%)

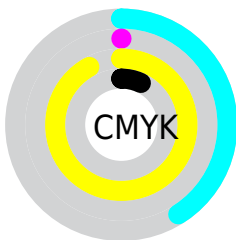
Blue (7%)



Red (7%)

Yellow (93%)

Blue (45%)

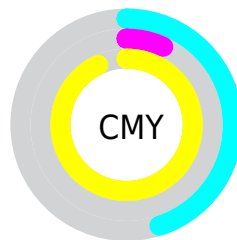


Cyan (41%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (45%)


Magenta (7%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2086, 66.1875, 11.1758 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 41.2086, 66.1875, 11.1758 by changing the saturation by 10% instead.

 41.2086, 66.1875,
11.1758


 41.2086, 66.1875,
11.1758


342.2394,
447.0471, 209.6502


 28.6705, 48.4246,
6.0695


 76.2732, 113.7554,
28.6264

 18.9747, 34.1633,
2.8179


 99.5303, 144.3292,
41.8078

 11.7559, 23.0191,
1.0024


 127.0913,
179.9421, 58.5181

 6.6487, 14.6076,
0.0000

 159.3213,
220.9786, 79.1756

 3.2878, 8.5444,
0.0000

 196.5857,
267.8229, 104.1991

 1.3077, 4.4453,
0.0000

 239.2500,

 0.1890, 1.9256,

320.8595, 134.0070

0.0000

287.6795,
380.4728, 169.0179

■ 0.0000, 0.5637,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2086, 66.1875,
11.1758

■ 41.2086, 66.1875,
11.1758

■ 39.8038, 65.4780,
10.5406

■ 43.3682, 67.2678,
12.8628

■ 45.9495, 68.5346,
15.8722

■ 48.9969, 70.0083,
20.4090

■ 52.5466, 71.7040,
26.6417

■ 56.6305, 73.6348,
34.7167

■ 61.2772, 75.8127,
44.7647

■ 66.5130, 78.2486,
56.9044

■ 72.3624, 80.9527,
71.2451

■ 78.8482, 83.9346,
87.8886

Harmonies

Analogous

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



58.9645, 66.1875, 5.9258



41.2086, 66.1875, 11.1758



31.4365, 66.1875, 32.0945

Triad

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



41.2086, 66.1875, 11.1758



46.7010, 66.1875, 251.1571



115.9447, 66.1875, 61.1301

Complementary

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



41.2086, 66.1875, 11.1758



22.5773, 10.1947, 80.9023

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.



110.4701, 66.1875, 136.1926



41.2086, 66.1875, 11.1758



67.0260, 66.1875, 276.3165

Square

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



41.2086, 66.1875, 11.1758



34.0432, 66.1875, 169.0926



91.1393, 66.1875, 225.5493



104.7073, 66.1875, 21.7908

Rectangle

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



41.2086, 66.1875, 11.1758



29.1322, 66.1875, 62.6581



91.1393, 66.1875, 225.5493



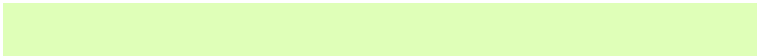
116.0224, 66.1875, 82.3734

Sweetspot

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



41.2101, 66.1904, 11.1772



74.9158, 90.7109, 58.6884



40.9317, 29.8403, 4.1756



15.4807, 19.1575, 11.3002



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.



41.2101, 66.1904, 11.1772



46.9221, 77.2743, 12.4424



31.0101, 60.9321, 10.6999



15.6708, 17.2758, 16.0274



21.8839, 35.8260, 5.7617



1.8287, 2.8701, 0.4576

Inverse Universe

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



22.5773, 10.1947, 80.9023



24.8549, 10.7281, 95.3685



45.7522, 22.1418, 81.9869



14.8645, 14.8754, 19.0101



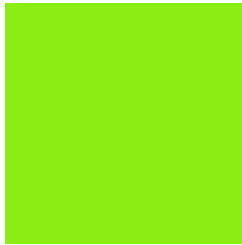
11.6710, 5.0525, 44.1031



1.0254, 0.4529, 3.4683

Previews

White Background



This preview shows how the XYZ color 41.2086, 66.1875, 11.1758 looks on a white background.

Color Contrast Check

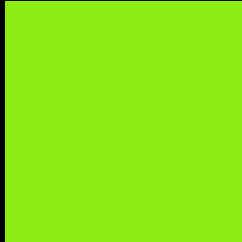
Large Text (above 18pt) WCAG AA × Fail

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 41.2086, 66.1875, 11.1758 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 41.2086, 66.1875, 11.1758

Background



This preview shows how black text looks on a background with the XYZ color 41.2086, 66.1875, 11.1758.



This preview shows how white text looks on a background with the XYZ color 41.2086, 66.1875,

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

41.2086, 66.1875, 11.1758

Protanopia

58.8034, 65.2641, 9.4980

Deuteranopia

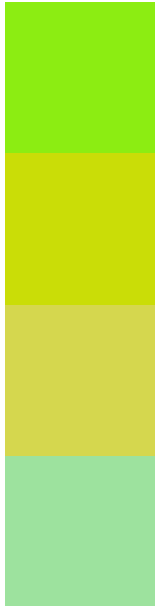
65.5766, 65.1641, 24.7445



Tritanopia

56.9622, 65.5749, 90.5439

Trichromacy



Original Color

41.2086, 66.1875, 11.1758

Protanomaly

50.2519, 64.2848, 9.9607

Deuteranomaly

53.1162, 63.2971, 16.6258

Tritanomaly

47.2725, 64.0294, 42.2151

Monochromacy



Original Color

41.2086, 66.1875, 11.1758

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

40.8674, 52.3574, 26.6909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2086, 66.1875, 11.1758 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(140, 237, 18)` looks like.

```
.text, #text, p{  
    color:rgb(140, 237, 18)  
}
```

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(140, 237, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 237, 18) }
```

Border

The CSS property to change the border of an element to XYZ 41.2086, 66.1875, 11.1758 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(140, 237, 18) }
```


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

```
.border{ border-color:rgb(140, 237, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 237, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 237, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 237, 18);  
box-shadow:4px 4px 4px 4px rgb(140, 237,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2086, 66.1875, 11.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 237, 18) }
```

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

```
.background{ background-color: rgb(140,  
237, 18) }
```

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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