

Converting Colors

XYZ(39.6018, 55.2846, 7.9005)

Have a look what the booklet for
XYZ(39.6018, 55.2846, 7.9005)
contains.

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Color

**XYZ(39.6919, 55.4118,
8.6036)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D400
RGB	168, 212, 0
RGB Percent	66%, 83%, 0%
CMY	0.3412, 0.1686, 0.9999
CMYK	0.21, 0.00, 1.00, 0.17
HSL	72°, 100%, 42%
HSV	72°, 100%, 83%
XYZ	39.6919, 55.4118, 8.6036
YIQ	174.6760, 41.8280, -75.2600

Conversions

Conversions Part 2

Format	Color
RYB	0, 212, 44
Decimal	11064320
CIELab	79.28, -36.95, 78.45
CIELCh	79, 86.716, 115.221
Yxy	55.4118, 0.3827, 0.5343
Android (android.graphics.Color)	4289254400 (0xFFA8D400)
YUV	174.6760, -86.1153, -5.8549
Hunter-Lab	74.4391, -35.0899, 45.2547

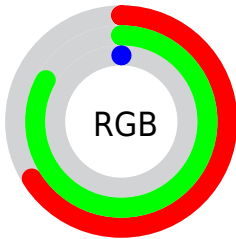
Details

The XYZ color **39.6919, 55.4118, 8.6036** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **12.9247, 5.2905, 62.6307**, and the grayscale version is **40.9988, 43.1339, 46.9728**.

A 20% lighter version of the original color is **69.0782, 88.5068, 22.0370**, and **18.4874, 27.4289, 4.3199** is the 20% darker color. If you saturate the color by 10%, you get **39.6918, 55.4136, 8.6039**, and if you desaturate by 10%, it is **40.7835, 55.9605, 9.3725**.

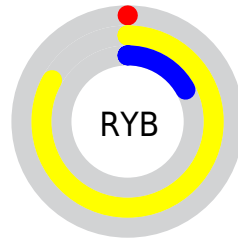
Distribution



Red (66%)

Green (83%)

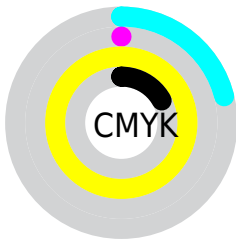
Blue (0%)



Red (0%)

Yellow (83%)

Blue (17%)

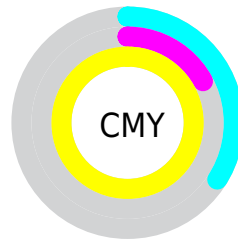


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (34%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6919, 55.4118, 8.6036 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 39.6919, 55.4118, 8.6036 by changing the saturation by 10% instead.


 39.6919, 55.4118,
8.6036


 39.6919, 55.4118,
8.6036


335.9800,
407.4710, 190.5005

 27.4815, 39.7315,
4.3903


 73.9814, 98.1440,
23.6989

 18.0737, 27.3293,
1.8418


 96.7914, 125.9648,
35.4180

 11.1029, 17.8207,
0.4553


 123.8652,
158.6012, 50.4761

 6.2039, 10.8213,
0.0000

 155.5682,
196.4375, 69.2917

 3.0113, 5.9468,
0.0000

 192.2659,
239.8583, 92.2834

 1.1597, 2.8128,
0.0000

 234.3235,

 0.0742, 1.0348,

289.2479, 119.8698

0.0000

282.1064,
344.9907, 152.4693

■ 0.0000, 0.0000,
0.0000

■ 39.6919, 55.4118,
8.6036

■ 39.6919, 55.4118,
8.6036

■ 39.6918, 55.4136,
8.6039

■ 40.7835, 55.9605,
9.3725

■ 42.0566, 56.5836,
10.9360

■ 43.5632, 57.3037,
13.5600

■ 45.3312, 58.1322,
17.3903

■ 47.3843, 59.0785,
22.5498

■ 49.7431, 60.1510,
29.1461

■ 52.4263, 61.3571,
37.2762

■ 55.4511, 62.7037,
47.0282

■ 58.8330, 64.1971,
58.4839

Harmonies

Analogous

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



55.4959, 55.4118, 6.4236



39.6919, 55.4118, 8.6036



29.7425, 55.4118, 20.5964

Triad

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



39.6919, 55.4118, 8.6036



35.8370, 55.4118, 177.7568



93.3999, 55.4118, 68.6495

Complementary

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



39.6919, 55.4118, 8.6036



12.9247, 5.2905, 62.6307

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.



85.0969, 55.4118, 132.8932



39.6919, 55.4118, 8.6036



49.9364, 55.4118, 214.4190

Square

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



39.6919, 55.4118, 8.6036



27.8837, 55.4118, 110.8924



68.2008, 55.4118, 194.6232



88.9817, 55.4118, 28.0916

Rectangle

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



39.6919, 55.4118, 8.6036



26.5465, 55.4118, 39.0955



68.2008, 55.4118, 194.6232



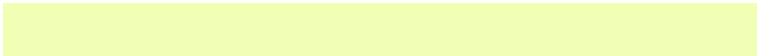
91.9602, 55.4118, 88.1366

Sweetspot

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



39.6932, 55.4143, 8.6048



79.4829, 93.1259, 56.1691



27.9960, 15.6840, 1.5525



16.6292, 19.7609, 10.8408



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.



39.6932, 55.4143, 8.6048



60.1341, 84.0853, 13.0607



25.6347, 48.1669, 7.9468



13.2087, 14.3838, 13.2409



24.5878, 34.2518, 5.3153



1.5480, 2.0994, 0.3236

Inverse Universe

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



12.9247, 5.2905, 62.6307



19.5149, 7.9752, 95.1186



24.1720, 11.0887, 63.1570



11.9811, 12.1317, 15.6477



8.0455, 3.3001, 38.6661



0.5551, 0.2351, 2.3354

Previews

White Background



This preview shows how the XYZ color 39.6919, 55.4118, 8.6036 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 39.6919, 55.4118, 8.6036 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 39.6919, 55.4118, 8.6036

Background



This preview shows how black text looks on a background with the XYZ color 39.6919, 55.4118, 8.6036.



This preview shows how white text looks on a background with the XYZ color 39.6919, 55.4118,

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

39.6919, 55.4118, 8.6036

Protanopia

49.5587, 54.8520, 7.9755

Deuteranopia

56.2665, 55.0319, 9.4904



Tritanopia

52.2262, 55.1757, 70.8482

Trichromacy



Original Color

39.6919, 55.4118, 8.6036

Protanomaly

45.4777, 54.7976, 8.1801

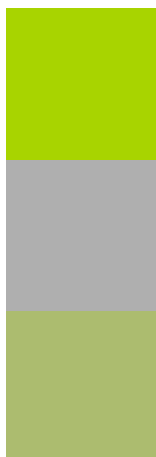
Deuteranomaly

48.5934, 54.0016, 8.7264

Tritanomaly

44.1549, 53.6023, 31.3116

Monochromacy



Original Color

39.6919, 55.4118, 8.6036

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

37.8657, 45.8848, 21.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6919, 55.4118, 8.6036 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, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 212, 0)  
}
```

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, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.6919, 55.4118, 8.6036 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, 212, 0) }
```


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

```
.border{ border-color:rgb(168, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6919, 55.4118, 8.6036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 212, 0) }
```

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

```
.background{ background-color: rgb(168,  
212, 0) }
```

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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