

Converting Colors

XYZ(35.9389, 56.5218, 9.0156)

Have a look what the booklet for
XYZ(35.9389, 56.5218, 9.0156)
contains.

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Color

**XYZ(35.9097, 56.5048,
9.0139)**

Conversions

Conversions Part 1

Format	Color
Hex	89DC00
RGB	137, 220, 0
RGB Percent	54%, 86%, 0%
CMY	0.4627, 0.1372, 0.9999
CMYK	0.38, 0.00, 1.00, 0.14
HSL	83°, 100%, 43%
HSV	83°, 100%, 86%
XYZ	35.9097, 56.5048, 9.0139
YIQ	170.1030, 21.1520, -86.0160

Conversions

Conversions Part 2

Format	Color
RYB	0, 220, 83
Decimal	9034752
CIELab	79.90, -51.90, 78.18
CIELCh	80, 93.839, 123.580
Yxy	56.5048, 0.3540, 0.5571
Android (android.graphics.Color)	4287224832 (0xFF89DC00)
YUV	170.1030, -83.8608, -29.0313
Hunter-Lab	75.1697, -46.2748, 45.5091

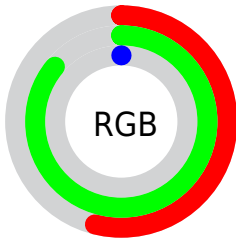
Details

The XYZ color **35.9097, 56.5048, 9.0139** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **16.4896, 7.0088, 68.1972**, and the grayscale version is **38.6609, 40.6743, 44.2943**.

A 20% lighter version of the original color is **60.4657, 84.0622, 21.8429**, and **16.3360, 28.1287, 4.5684** is the 20% darker color. If you saturate the color by 10%, you get **35.9090, 56.5063, 9.0142**, and if you desaturate by 10%, it is **37.4697, 57.2941, 9.8446**.

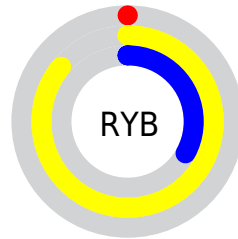
Distribution



Red (54%)

Green (86%)

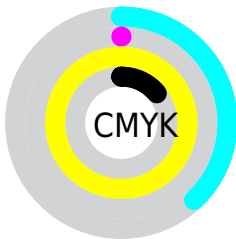
Blue (0%)



Red (0%)

Yellow (86%)

Blue (33%)

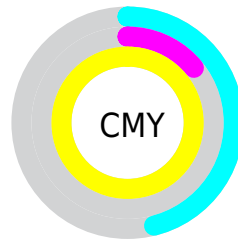


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (46%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9097, 56.5048, 9.0139 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 35.9097, 56.5048, 9.0139 by changing the saturation by 10% instead.


 35.9097, 56.5048,
9.0139


 35.9097, 56.5048,
9.0139


320.0038,
411.5911, 193.7034


 24.5342, 40.6078,
4.6533


 68.2174, 99.7423,
24.5016

 15.8573, 28.0128,
1.9902


 89.8805, 127.8515,
36.4657


 9.5134, 18.3353,
0.5492


 115.7034,
160.8003, 51.8015

 5.1373, 11.1910,
0.0000

 146.0515,
198.9730, 70.9275

 2.3636, 6.1954,
0.0000

 181.2903,
242.7541, 94.2621

 0.8269, 2.9643,
0.0000

 221.7850,

 0.0000, 1.1131,

292.5278, 122.2239

0.0000

267.9011,
348.6787, 155.2315

■ 0.0000, 0.0000,
0.0000

■ 35.9097, 56.5048,
9.0139

■ 35.9097, 56.5048,
9.0139

■ 35.9090, 56.5063,
9.0142

■ 37.4697, 57.2941,
9.8446

■ 39.3005, 58.2021,
11.5486

■ 41.4595, 59.2540,
14.4110

■ 43.9793, 60.4630,
18.5918

■ 46.8874, 61.8405,
24.2260

■ 50.2083, 63.3965,
31.4318

■ 53.9642, 65.1400,
40.3151

■ 58.1753, 67.0793,
50.9728

■ 62.8604, 69.2223,
63.4944

Harmonies

Analogous

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



51.4546, 56.5048, 5.0145



35.9097, 56.5048, 9.0139



27.1582, 56.5048, 25.6941

Triad

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



35.9097, 56.5048, 9.0139



39.0201, 56.5048, 211.0932



99.1066, 56.5048, 55.2126

Complementary

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



35.9097, 56.5048, 9.0139



16.4896, 7.0088, 68.1972

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.



93.5729, 56.5048, 120.8942



35.9097, 56.5048, 9.0139



56.0224, 56.5048, 236.4709

Square

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



35.9097, 56.5048, 9.0139



28.6337, 56.5048, 139.5519



76.5828, 56.5048, 196.5612



90.3049, 56.5048, 19.8702

Rectangle

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



35.9097, 56.5048, 9.0139



24.9422, 56.5048, 50.5385



76.5828, 56.5048, 196.5612



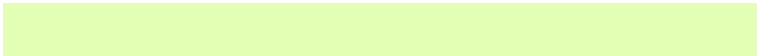
98.8690, 56.5048, 73.9964

Sweetspot

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



35.9110, 56.5073, 9.0151



75.2521, 90.9448, 55.9711



32.4360, 21.0549, 2.3553



15.6148, 19.2379, 10.7934



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.



35.9110, 56.5073, 9.0151



50.0141, 78.8683, 12.5871



26.1115, 51.4555, 8.5565



13.6614, 15.0057, 13.9019



21.2010, 33.2270, 5.2960



1.4680, 2.2013, 0.3475

Inverse Universe

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



16.4896, 7.0088, 68.1972



22.8972, 9.7188, 95.2768



34.3234, 16.2024, 69.0318



12.8007, 12.8554, 16.4588



9.7902, 4.1712, 40.0275



0.7281, 0.3186, 2.5976

Previews

White Background



This preview shows how the XYZ color 35.9097, 56.5048, 9.0139 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 35.9097, 56.5048, 9.0139 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 35.9097, 56.5048, 9.0139

Background



This preview shows how black text looks on a background with the XYZ color 35.9097, 56.5048, 9.0139.



This preview shows how white text looks on a background with the XYZ color 35.9097, 56.5048,

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

35.9097, 56.5048, 9.0139

Protanopia

50.3183, 55.9178, 8.1412

Deuteranopia

56.9178, 55.6715, 10.0313



Tritanopia

49.3420, 55.9833, 76.6119

Trichromacy



Original Color

35.9097, 56.5048, 9.0139

Protanomaly

43.5572, 55.2190, 8.3626

Deuteranomaly

46.6337, 54.3359, 9.0669

Tritanomaly

40.8032, 54.6917, 33.6053

Monochromacy



Original Color

35.9097, 56.5048, 9.0139

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

34.7905, 44.3182, 20.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9097, 56.5048, 9.0139 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(137, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 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(137, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9097, 56.5048, 9.0139 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(137, 220, 0) }
```


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

```
.border{ border-color:rgb(137, 220, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9097, 56.5048, 9.0139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 0) }
```

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

```
.background{ background-color: rgb(137,  
220, 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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