

Converting Colors

$Y_{xy}(56.2944, 0.3638, 0.5917)$

Have a look what the booklet for
Yxy(56.2944, 0.3638, 0.5917)
contains.

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Color

Yxy(56.6994, 0.3507, 0.5597)

Conversions

Conversions Part 1

Format	Color
Hex	85DD00
RGB	133, 221, 0
RGB Percent	52%, 87%, 0%
CMY	0.4785, 0.1333, 0.9992
CMYK	0.40, 0.00, 1.00, 0.13
HSL	84°, 100%, 43%
HSV	84°, 100%, 87%
XYZ	35.5270, 56.6994, 9.0768
YIQ	169.4940, 18.4930, -87.3870

Conversions

Conversions Part 2

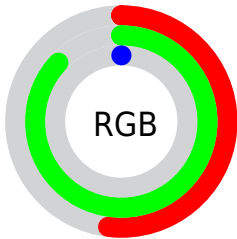
Format	Color
RYB	0, 221, 88
Decimal	8772864
CIELab	80.01, -53.66, 78.17
CIELCh	80, 94.815, 124.471
Yxy	56.6994, 0.3507, 0.5597
Android (android.graphics.Color)	4286962944 (0xFF85DD00)
YUV	169.4940, -83.5605, -32.0052
Hunter-Lab	75.2990, -47.5547, 45.5623

Details

The Yxy color **56.6994, 0.3507, 0.5597** 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 **7.3120, 0.1832, 0.0783**, and the grayscale version is **40.3603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5293, 0.3607, 0.5070**, and **28.2880, 0.3290, 0.5770** is the 20% darker color. If you saturate the color by 10%, you get **56.6947, 0.3507, 0.5598**, and if you desaturate by 10%, it is **57.5080, 0.3551, 0.5500**.

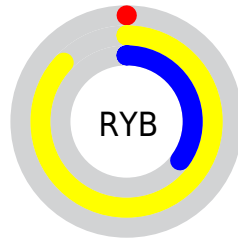
Distribution



Red (52%)

Green (87%)

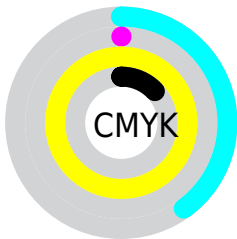
Blue (0%)



Red (0%)

Yellow (87%)

Blue (35%)

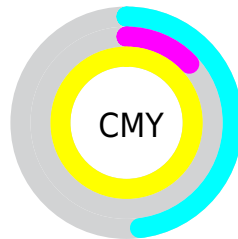


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (48%)

Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6994, 0.3507, 0.5597 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 Yxy color 56.6994, 0.3507, 0.5597 by changing the saturation by 10% instead.


 56.6994, 0.3507,
0.5597


 56.6994, 0.3507,
0.5597


412.3220, 0.3442,
0.4458


 40.7639, 0.3478,
0.5849


 100.0264, 0.3517,
0.5202

 28.1347, 0.3415,
0.6145

 128.1868, 0.3511,
0.5047

 18.4272, 0.3301,
0.6501


 161.1910, 0.3501,
0.4913

 11.2571, 0.3090,
0.6910

 199.4233, 0.3490,
0.4798

 6.2401, 0.2695,
0.7305

 243.2681, 0.3478,
0.4696

 2.9916, 0.2101,
0.7899

 293.1099, 0.3466,

 1.1273, 0.0000,

0.4607

1.0000

349.3331, 0.3454,
0.4528

■ 0.0011, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6994, 0.3507,
0.5597

■ 56.6994, 0.3507,
0.5597

■ 56.6947, 0.3507,
0.5598

■ 57.5080, 0.3551,
0.5500

■ 58.4428, 0.3576,
0.5357

■ 59.5292, 0.3576,
0.5162

■ 60.7808, 0.3552,
0.4925

■ 62.2093, 0.3508,
0.4658

■ 63.8249, 0.3447,
0.4374

■ 65.6370, 0.3374,
0.4087

■ 67.6542, 0.3293,
0.3805

■ 69.8845, 0.3210,
0.3538

Harmonies

Analogous

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



56.6994, 0.4533, 0.5034



56.6994, 0.3507, 0.5597



56.6994, 0.2446, 0.5156

Triad

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



56.6994, 0.3507, 0.5597



56.6994, 0.1266, 0.1820



56.6994, 0.4747, 0.2695

Complementary

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



56.6994, 0.3507, 0.5597



7.3120, 0.1832, 0.0783

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.



56.6994, 0.3494, 0.2092



56.6994, 0.3507, 0.5597



56.6994, 0.1610, 0.1607

Square

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



56.6994, 0.3507, 0.5597



56.6994, 0.1257, 0.2478



56.6994, 0.2344, 0.1711



56.6994, 0.5445, 0.3409

Rectangle

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



56.6994, 0.3507, 0.5597



56.6994, 0.1856, 0.4245



56.6994, 0.2344, 0.1711



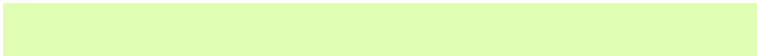
56.6994, 0.4358, 0.2476

Sweetspot

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



56.7019, 0.3507, 0.5597



90.6816, 0.3376, 0.4096



21.8469, 0.5761, 0.3807



19.1752, 0.3408, 0.4218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7019, 0.3507, 0.5597



78.3244, 0.3502, 0.5602



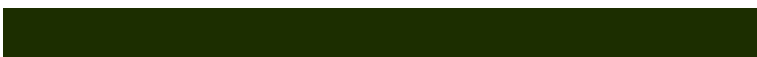
51.9367, 0.3026, 0.5979



14.9914, 0.3206, 0.3525



32.9997, 0.3517, 0.5590



2.1875, 0.3626, 0.5503

Inverse Universe

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



7.3120, 0.1832, 0.0783



10.0256, 0.1824, 0.0778



16.8605, 0.2913, 0.1379



12.8692, 0.3043, 0.3053



4.3028, 0.1847, 0.0791



0.3280, 0.2032, 0.0893

Previews

White Background



This preview shows how the Yxy color 56.6994, 0.3507, 0.5597 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 Yxy color 56.6994, 0.3507, 0.5597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

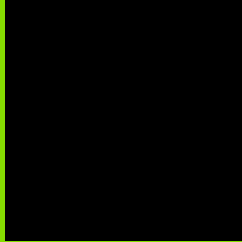
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6994, 0.3507, 0.5597

Background



This preview shows how black text looks on a background with the Yxy color 56.6994, 0.3507, 0.5597.



This preview shows how white text looks on a background with the Yxy color 56.6994, 0.3507, 0.5597.

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

56.6994, 0.3507, 0.5597

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

55.6790, 0.4639, 0.4536



Tritanopia

56.2057, 0.2689, 0.3077

Trichromacy



Original Color

56.6994, 0.3507, 0.5597

Protanomaly

55.0898, 0.4057, 0.5161

Deuteranomaly

54.0525, 0.4219, 0.4948

Tritanomaly

54.9012, 0.3138, 0.4254

Monochromacy



Original Color

56.6994, 0.3507, 0.5597

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

44.6460, 0.3466, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6994, 0.3507, 0.5597 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(133, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 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(133, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.6994, 0.3507, 0.5597 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(133, 221, 0) }
```

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

```
.border{ border-color:rgb(133, 221, 0) }
```

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

Here you see how a box with a 4 pixel rgb(133, 221, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6994, 0.3507, 0.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 0) }
```

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

```
.background{ background-color: rgb(133,  
221, 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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