

Converting Colors

$Y_{xy}(56.1799, 0.3607, 0.5510)$

Have a look what the booklet for
Yxy(56.1799, 0.3607, 0.5510)
contains.

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Color

Yxy(56.1691, 0.3607, 0.5511)

Conversions

Conversions Part 1

Format	Color
Hex	91DA03
RGB	145, 218, 3
RGB Percent	57%, 85%, 1%
CMY	0.4314, 0.1451, 0.9882
CMYK	0.33, 0.00, 0.99, 0.15
HSL	80°, 97%, 43%
HSV	80°, 99%, 85%
XYZ	36.7632, 56.1691, 8.9895
YIQ	171.6630, 25.5070, -82.3410

Conversions

Conversions Part 2

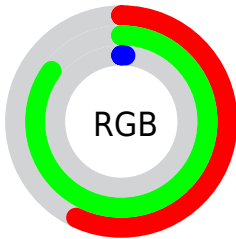
Format	Color
RYB	3, 218, 76
Decimal	9558531
CIELab	79.71, -48.24, 77.93
CIELCh	80, 91.653, 121.759
Yxy	56.1691, 0.3607, 0.5511
Android (android.graphics.Color)	4287748611 (0xFF91DA03)
YUV	171.6630, -83.1509, -23.3835
Hunter-Lab	74.9460, -43.5962, 45.3506

Details

The Yxy color **56.1691, 0.3607, 0.5511** 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 **6.6649, 0.1758, 0.0748**, and the grayscale version is **41.4945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0455, 0.3679, 0.5015**, and **28.1728, 0.3411, 0.5674** is the 20% darker color. If you saturate the color by 10%, you get **56.0728, 0.3602, 0.5522**, and if you desaturate by 10%, it is **56.9290, 0.3642, 0.5418**.

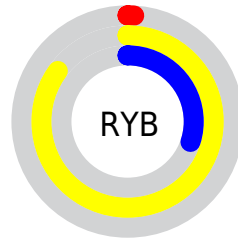
Distribution



Red (57%)

Green (85%)

Blue (1%)



Red (1%)

Yellow (85%)

Blue (30%)

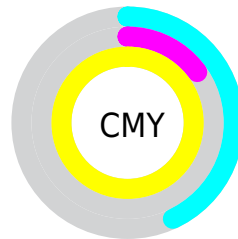


Cyan (33%)

Magenta (0%)

Yellow (99%)

Black (15%)



Cyan (43%)


Magenta (15%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1691, 0.3607, 0.5511 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 56.1691, 0.3607, 0.5511 by changing the saturation by 10% instead.


 56.1691, 0.3607,
0.5511

 56.1691, 0.3607,
0.5511


410.3285, 0.3490,
0.4424


 40.3385, 0.3591,
0.5748


 99.2518, 0.3598,
0.5136


 27.8026, 0.3545,
0.6026


 127.2727, 0.3585,
0.4989


 18.1769, 0.3451,
0.6358


 160.1258, 0.3569,
0.4861

 11.0771, 0.3266,
0.6734

 198.1955, 0.3552,
0.4750

 6.1187, 0.2904,
0.7096

 241.8662, 0.3536,
0.4653

 2.9174, 0.2353,
0.7647

 291.5224, 0.3520,

 1.0888, 0.0000,

0.4567

1.0000

347.5483, 0.3504,
0.4492

■ 0.0000, 0.0000,
0.0000

■ 56.1691, 0.3607,
0.5511

■ 56.1691, 0.3607,
0.5511

■ 56.0728, 0.3602,
0.5522

■ 56.9290, 0.3642,
0.5418

■ 57.8009, 0.3655,
0.5277

■ 58.8059, 0.3643,
0.5088

■ 59.9562, 0.3607,
0.4858

■ 61.2623, 0.3550,
0.4599

■ 62.7337, 0.3477,
0.4323

■ 64.3787, 0.3392,
0.4043

■ 66.2053, 0.3301,
0.3767

■ 68.2206, 0.3207,
0.3504

Harmonies

Analogous

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



56.1691, 0.4594, 0.4933



56.1691, 0.3607, 0.5511



56.1691, 0.2561, 0.5179

Triad

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



56.1691, 0.3607, 0.5511



56.1691, 0.1291, 0.1895



56.1691, 0.4603, 0.2653

Complementary

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



56.1691, 0.3607, 0.5511



6.6649, 0.1758, 0.0748

Split Complementary

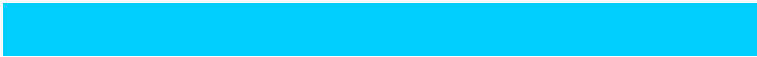
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.1691, 0.3373, 0.2076



56.1691, 0.3607, 0.5511



56.1691, 0.1599, 0.1649

Square

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



56.1691, 0.3607, 0.5511



56.1691, 0.1315, 0.2592



56.1691, 0.2284, 0.1724



56.1691, 0.5354, 0.3352

Rectangle

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



56.1691, 0.3607, 0.5511



56.1691, 0.1962, 0.4347



56.1691, 0.2284, 0.1724



56.1691, 0.4213, 0.2442

Sweetspot

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



56.1716, 0.3607, 0.5511



91.4157, 0.3406, 0.4088



19.9006, 0.5863, 0.3713



19.3503, 0.3443, 0.4208



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.



56.1716, 0.3607, 0.5511



79.8885, 0.3597, 0.5526



50.5811, 0.3050, 0.5952



15.0310, 0.3215, 0.3525



33.6525, 0.3610, 0.5516



2.2269, 0.3707, 0.5439

Inverse Universe

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



6.6649, 0.1758, 0.0748



9.2272, 0.1736, 0.0730



15.0936, 0.2792, 0.1316



12.8310, 0.3034, 0.3052



3.9591, 0.1758, 0.0742



0.3030, 0.1940, 0.0842

Previews

White Background



This preview shows how the Yxy color 56.1691, 0.3607, 0.5511 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 56.1691, 0.3607, 0.5511 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 56.1691, 0.3607, 0.5511

Background



This preview shows how black text looks on a background with the Yxy color 56.1691, 0.3607, 0.5511.



This preview shows how white text looks on a background with the Yxy color 56.1691, 0.3607, 0.5511.

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

56.1691, 0.3607, 0.5511

Protanopia

55.4621, 0.4409, 0.4881

Deuteranopia

55.6643, 0.4645, 0.4544



Tritanopia

56.0418, 0.2762, 0.3091

Trichromacy



Original Color

56.1691, 0.3607, 0.5511



Protanomaly

55.1342, 0.4098, 0.5126



Deuteranomaly

54.3209, 0.4271, 0.4908



Tritanomaly

54.3761, 0.3222, 0.4213

Monochromacy



Original Color

56.1691, 0.3607, 0.5511



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.2243, 0.3490, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1691, 0.3607, 0.5511 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(145, 218, 3)` looks like.

```
.text, #text, p{  
    color:rgb(145, 218, 3)  
}
```

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(145, 218, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 218, 3) }
```

Border

The CSS property to change the border of an element to Yxy 56.1691, 0.3607, 0.5511 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(145, 218, 3) }
```

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

```
.border{ border-color:rgb(145, 218, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 218, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 218, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 218, 3);  
box-shadow:4px 4px 4px 4px rgb(145, 218,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1691, 0.3607, 0.5511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 218, 3) }
```

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

```
.background{ background-color: rgb(145,  
218, 3) }
```

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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