

Converting Colors

Yxy(55.4549, 0.3611, 0.5515)

Have a look what the booklet for
Yxy(55.4549, 0.3611, 0.5515)
contains.

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Color

Yxy(55.5550, 0.3607, 0.5518)

Conversions

Conversions Part 1

Format	Color
Hex	90D900
RGB	144, 217, 0
RGB Percent	56%, 85%, 0%
CMY	0.4353, 0.1490, 0.9999
CMYK	0.34, 0.00, 1.00, 0.15
HSL	80°, 100%, 43%
HSV	80°, 100%, 85%
XYZ	36.3151, 55.5550, 8.8095
YIQ	170.4350, 26.1490, -82.9630

Conversions

Conversions Part 2

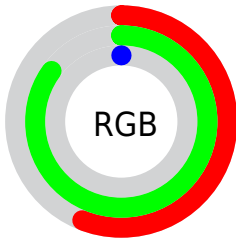
Format	Color
RYB	0, 217, 73
Decimal	9492736
CIELab	79.36, -48.22, 77.91
CIELCh	79, 91.625, 121.753
Yxy	55.5550, 0.3607, 0.5518
Android (android.graphics.Color)	4287682816 (0xFF90D900)
YUV	170.4350, -84.0245, -23.1835
Hunter-Lab	74.5352, -43.4677, 45.1671

Details

The Yxy color **55.5550, 0.3607, 0.5518** 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 **6.4287, 0.1740, 0.0732**, and the grayscale version is **40.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8884, 0.3675, 0.5027**, and **27.7720, 0.3407, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **55.5562, 0.3607, 0.5518**, and if you desaturate by 10%, it is **56.2932, 0.3643, 0.5429**.

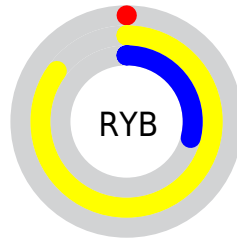
Distribution



Red (56%)

Green (85%)

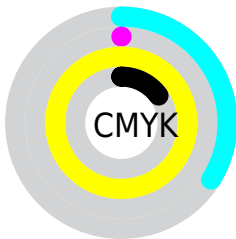
Blue (0%)



Red (0%)

Yellow (85%)

Blue (29%)

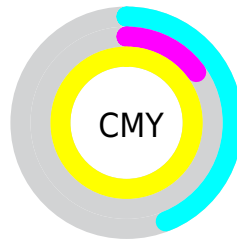


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (44%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5550, 0.3607, 0.5518 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 55.5550, 0.3607, 0.5518 by changing the saturation by 10% instead.


 55.5550, 0.3607,
0.5518

 55.5550, 0.3607,
0.5518


408.0123, 0.3490,
0.4426


 39.8463, 0.3590,
0.5757


 98.3536, 0.3599,
0.5141

 27.4187, 0.3543,
0.6036


 126.2123, 0.3585,
0.4993


 17.8879, 0.3449,
0.6372


 158.8898, 0.3569,
0.4865

 10.8695, 0.3256,
0.6744

 196.7704, 0.3553,
0.4753

 5.9792, 0.2890,
0.7110

 240.2385, 0.3536,
0.4656

 2.8324, 0.2329,
0.7671

 289.6787, 0.3520,

 1.0449, 0.0000,

0.4570

1.0000

345.4751, 0.3505,
0.4494

■ 0.0000, 0.0000,
0.0000

■ 55.5550, 0.3607,
0.5518

■ 55.5550, 0.3607,
0.5518

■ 55.5562, 0.3607,
0.5518

■ 56.2932, 0.3643,
0.5429

■ 57.1361, 0.3659,
0.5296

■ 58.1080, 0.3650,
0.5113

■ 59.2213, 0.3616,
0.4889

■ 60.4866, 0.3561,
0.4634

■ 61.9133, 0.3489,
0.4360

■ 63.5099, 0.3405,
0.4080

■ 65.2841, 0.3314,
0.3804

■ 67.2431, 0.3221,
0.3539

Harmonies

Analogous

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



55.5550, 0.4596, 0.4936



55.5550, 0.3607, 0.5518



55.5550, 0.2559, 0.5187

Triad

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



55.5550, 0.3607, 0.5518



55.5550, 0.1286, 0.1891



55.5550, 0.4607, 0.2651

Complementary

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



55.5550, 0.3607, 0.5518



6.4287, 0.1740, 0.0732

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.



55.5550, 0.3373, 0.2072



55.5550, 0.3607, 0.5518



55.5550, 0.1595, 0.1645

Square

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



55.5550, 0.3607, 0.5518



55.5550, 0.1310, 0.2590



55.5550, 0.2281, 0.1721



55.5550, 0.5361, 0.3351

Rectangle

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



55.5550, 0.3607, 0.5518



55.5550, 0.1958, 0.4352



55.5550, 0.2281, 0.1721



55.5550, 0.4216, 0.2439

Sweetspot

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



55.5574, 0.3607, 0.5518



91.4555, 0.3408, 0.4088



19.4337, 0.5895, 0.3701



19.3598, 0.3445, 0.4207



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.



55.5574, 0.3607, 0.5518



79.9776, 0.3602, 0.5522



50.0064, 0.3047, 0.5963



15.0331, 0.3215, 0.3525



33.6896, 0.3615, 0.5512



2.2291, 0.3711, 0.5435

Inverse Universe

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



6.4287, 0.1740, 0.0732



9.1888, 0.1732, 0.0728



14.8155, 0.2786, 0.1309



12.8290, 0.3033, 0.3052



3.9424, 0.1754, 0.0740



0.3018, 0.1935, 0.0840

Previews

White Background



This preview shows how the Yxy color 55.5550, 0.3607, 0.5518 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 55.5550, 0.3607, 0.5518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

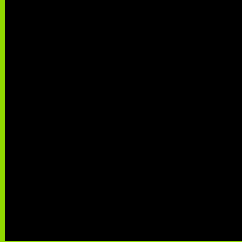
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5550, 0.3607, 0.5518

Background



This preview shows how black text looks on a background with the Yxy color 55.5550, 0.3607, 0.5518.



This preview shows how white text looks on a background with the Yxy color 55.5550, 0.3607, 0.5518.

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

55.5550, 0.3607, 0.5518

Protanopia

54.8520, 0.4410, 0.4881

Deuteranopia

54.8778, 0.4638, 0.4547



Tritanopia

55.4100, 0.2760, 0.3090

Trichromacy



Original Color

55.5550, 0.3607, 0.5518

Protanomaly

54.5232, 0.4099, 0.5127

Deuteranomaly

53.5669, 0.4264, 0.4917

Tritanomaly

53.7588, 0.3222, 0.4217

Monochromacy



Original Color

55.5550, 0.3607, 0.5518

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

44.2004, 0.3509, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5550, 0.3607, 0.5518 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(144, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 217, 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(144, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.5550, 0.3607, 0.5518 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(144, 217, 0) }
```

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

```
.border{ border-color:rgb(144, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(144, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 217,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5550, 0.3607, 0.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 217, 0) }
```

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

```
.background{ background-color: rgb(144,  
217, 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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