

Converting Colors

Yxy(54.9308, 0.3483, 0.5597)

Have a look what the booklet for
Yxy(54.9308, 0.3483, 0.5597)
contains.

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Color

Yxy(54.8275, 0.3486, 0.5594)

Conversions

Conversions Part 1

Format	Color
Hex	81DA08
RGB	129, 218, 8
RGB Percent	51%, 85%, 3%
CMY	0.4942, 0.1451, 0.9678
CMYK	0.41, 0.00, 0.96, 0.15
HSL	85°, 93%, 44%
HSV	85°, 96%, 85%
XYZ	34.1667, 54.8275, 9.0170
YIQ	167.4490, 14.3660, -84.1780

Conversions

Conversions Part 2

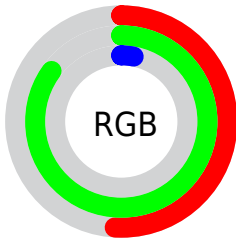
Format	Color
R_{YB}	8, 218, 97
Decimal	8509960
CIE _{Lab}	78.94, -53.72, 76.52
CIE _{LCh}	79, 93.489, 125.070
Yxy	54.8275, 0.3486, 0.5594
Android (android.graphics.Color)	4286700040 (0xFF81DA08)
YUV	167.4490, -78.6084, -33.7198
Hunter-Lab	74.0456, -47.2149, 44.6118

Details

The Yxy color **54.8275, 0.3486, 0.5594** 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 **7.7954, 0.1916, 0.0844**, and the grayscale version is **39.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0434, 0.3573, 0.5072**, and **27.0340, 0.3263, 0.5791** is the 20% darker color. If you saturate the color by 10%, you get **54.5436, 0.3468, 0.5629**, and if you desaturate by 10%, it is **55.6632, 0.3527, 0.5480**.

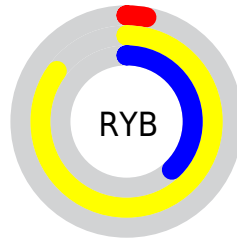
Distribution



Red (51%)

Green (85%)

Blue (3%)



Red (3%)

Yellow (85%)

Blue (38%)

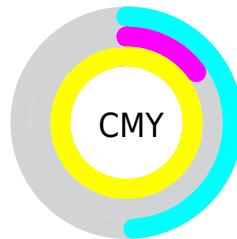


Cyan (41%)

Magenta (0%)

Yellow (96%)

Black (15%)



Cyan (49%)

Magenta (15%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8275, 0.3486, 0.5594 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 54.8275, 0.3486, 0.5594 by changing the saturation by 10% instead.


 54.8275, 0.3486,
0.5594


 54.8275, 0.3486,
0.5594


405.2577, 0.3428,
0.4446


 39.2636, 0.3455,
0.5851


 97.2882, 0.3498,
0.5193

 26.9649, 0.3390,
0.6155


 124.9538, 0.3493,
0.5037

 17.5468, 0.3272,
0.6524


 157.4220, 0.3484,
0.4902

 10.6251, 0.3052,
0.6948

 195.0774, 0.3474,
0.4786

 5.8154, 0.2640,
0.7360

 238.3043, 0.3462,
0.4685

 2.7331, 0.1997,
0.8003

 287.4870, 0.3451,

 0.9941, 0.0000,

0.4595

1.0000

343.0100, 0.3439,
0.4517

■ 0.0000, 0.0000,
0.0000

■ 54.8275, 0.3486,
0.5594

■ 54.8275, 0.3486,
0.5594

■ 54.5436, 0.3468,
0.5629

■ 55.6632, 0.3527,
0.5480

■ 56.6404, 0.3546,
0.5313

■ 57.7769, 0.3541,
0.5096

■ 59.0856, 0.3514,
0.4842

■ 60.5772, 0.3467,
0.4563

■ 62.2617, 0.3405,
0.4273

■ 64.1481, 0.3333,
0.3984

■ 66.2447, 0.3256,
0.3706

■ 68.5593, 0.3177,
0.3444

Harmonies

Analogous

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



54.8275, 0.4512, 0.5047



54.8275, 0.3486, 0.5594



54.8275, 0.2429, 0.5128

Triad

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



54.8275, 0.3486, 0.5594



54.8275, 0.1273, 0.1815



54.8275, 0.4764, 0.2710

Complementary

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



54.8275, 0.3486, 0.5594



7.7954, 0.1916, 0.0844

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.



54.8275, 0.3519, 0.2105



54.8275, 0.3486, 0.5594



54.8275, 0.1624, 0.1609

Square

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



54.8275, 0.3486, 0.5594



54.8275, 0.1258, 0.2462



54.8275, 0.2366, 0.1719



54.8275, 0.5444, 0.3425

Rectangle

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



54.8275, 0.3486, 0.5594



54.8275, 0.1845, 0.4212



54.8275, 0.2366, 0.1719



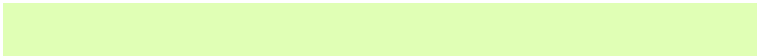
54.8275, 0.4379, 0.2490

Sweetspot

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



54.8299, 0.3486, 0.5594



90.6445, 0.3356, 0.4071



23.2224, 0.5583, 0.3916



19.1544, 0.3387, 0.4195



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.



54.8299, 0.3486, 0.5594



77.7032, 0.3462, 0.5633



50.3802, 0.3021, 0.5960



14.9744, 0.3202, 0.3526



32.7395, 0.3478, 0.5621



2.1714, 0.3591, 0.5531

Inverse Universe

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



7.7954, 0.1916, 0.0844



10.4216, 0.1866, 0.0802



17.5923, 0.3006, 0.1441



12.8859, 0.3047, 0.3053



4.4721, 0.1890, 0.0815



0.3398, 0.2074, 0.0916

Previews

White Background



This preview shows how the Yxy color 54.8275, 0.3486, 0.5594 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 54.8275, 0.3486, 0.5594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

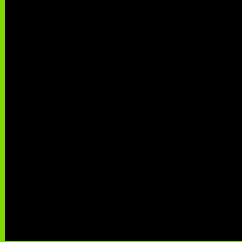
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8275, 0.3486, 0.5594

Background



This preview shows how black text looks on a background with the Yxy color 54.8275, 0.3486, 0.5594.



This preview shows how white text looks on a background with the Yxy color 54.8275, 0.3486, 0.5594.

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

54.8275, 0.3486, 0.5594

Protanopia

54.0903, 0.4402, 0.4887

Deuteranopia

53.8753, 0.4643, 0.4527



Tritanopia

54.6964, 0.2678, 0.3086

Trichromacy



Original Color

54.8275, 0.3486, 0.5594



Protanomaly

53.1575, 0.4044, 0.5164



Deuteranomaly

52.2753, 0.4212, 0.4935



Tritanomaly

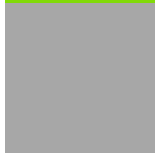
53.0845, 0.3105, 0.4214

Monochromacy



Original Color

54.8275, 0.3486, 0.5594



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.9942, 0.3433, 0.4412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8275, 0.3486, 0.5594 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(129, 218, 8)` looks like.

```
.text, #text, p{  
    color:rgb(129, 218, 8)  
}
```

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(129, 218, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 218, 8) }
```

Border

The CSS property to change the border of an element to Yxy 54.8275, 0.3486, 0.5594 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(129, 218, 8) }
```

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

```
.border{ border-color:rgb(129, 218, 8) }
```

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

Here you see how a box with a 4 pixel rgb(129, 218, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 218, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 218, 8);  
box-shadow:4px 4px 4px 4px rgb(129, 218,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8275, 0.3486, 0.5594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 218, 8) }
```

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

```
.background{ background-color: rgb(129,  
218, 8) }
```

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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