

Converting Colors

Yxy(58.6155, 0.3616, 0.5283)

Have a look what the booklet for
Yxy(58.6155, 0.3616, 0.5283)
contains.

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Color

Yxy(58.5848, 0.3614, 0.5284)

Conversions

Conversions Part 1

Format	Color
Hex	9DDC32
RGB	157, 220, 50
RGB Percent	62%, 86%, 20%
CMY	0.3845, 0.1372, 0.8037
CMYK	0.29, 0.00, 0.77, 0.14
HSL	82°, 71%, 53%
HSV	82°, 77%, 86%
XYZ	40.0692, 58.5848, 12.2181
YIQ	181.7830, 17.0220, -66.2260

Conversions

Conversions Part 2

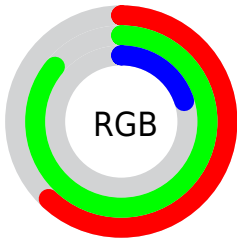
Format	Color
RYB	50, 220, 113
Decimal	10345522
CIELab	81.06, -43.46, 70.88
CIELCh	81, 83.148, 121.516
Yxy	58.5848, 0.3614, 0.5284
Android (android.graphics.Color)	4288535602 (0xFF9DDC32)
YUV	181.7830, -64.9690, -21.7347
Hunter-Lab	76.5407, -40.5012, 44.1141

Details

The Yxy color **58.5848, 0.3614, 0.5284** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle muted chartreuse. A complement of this color would be **10.9698, 0.2076, 0.1091**, and the grayscale version is **47.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2447, 0.3671, 0.4788**, and **29.6196, 0.3526, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **57.6473, 0.3599, 0.5437**, and if you desaturate by 10%, it is **59.6735, 0.3604, 0.5082**.

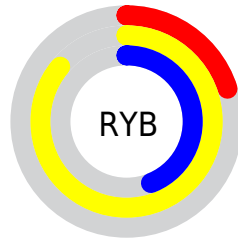
Distribution



Red (62%)

Green (86%)

Blue (20%)



Red (20%)

Yellow (86%)

Blue (44%)

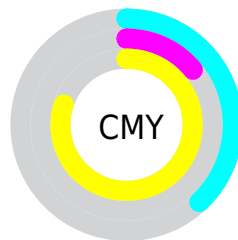


Cyan (29%)

Magenta (0%)

Yellow (77%)

Black (14%)



Cyan (38%)


Magenta (14%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5848, 0.3614, 0.5284 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 58.5848, 0.3614, 0.5284 by changing the saturation by 10% instead.


 58.5848, 0.3614,
0.5284

 58.5848, 0.3614,
0.5284


419.3615, 0.3466,
0.4307


 42.2790, 0.3616,
0.5503


 102.7740, 0.3586,
0.4944

 29.3198, 0.3598,
0.5765


 131.4261, 0.3568,
0.4811

 19.3229, 0.3542,
0.6075


 164.9625, 0.3549,
0.4696

 11.9038, 0.3466,
0.6534

 203.7675, 0.3531,
0.4597

 6.6782, 0.3156,
0.6844

 248.2255, 0.3513,
0.4511

 3.2617, 0.2683,
0.7317

298.7209, 0.3497,

 1.2698, 0.0750,

0.4434

0.9250

355.6381, 0.3481,
0.4367

■ 0.1177, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5848, 0.3614,
0.5284

■ 58.5848, 0.3614,
0.5284

■ 57.6473, 0.3599,
0.5437

■ 59.6735, 0.3604,
0.5082

■ 56.8368, 0.3562,
0.5539

■ 60.9181, 0.3570,
0.4841

■ 56.6297, 0.3550,
0.5563

■ 62.3322, 0.3516,
0.4574

■ 63.9254, 0.3446,
0.4292

65.7065, 0.3366,
0.4008

67.6836, 0.3279,
0.3732

69.8643, 0.3191,
0.3469

72.2557, 0.3103,
0.3225

74.8645, 0.3018,
0.3000

Harmonies

Analogous

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



58.5848, 0.4510, 0.4821



58.5848, 0.3614, 0.5284



58.5848, 0.2648, 0.4955

Triad

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



58.5848, 0.3614, 0.5284



58.5848, 0.1429, 0.2027



58.5848, 0.4444, 0.2715

Complementary

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



58.5848, 0.3614, 0.5284



10.9698, 0.2076, 0.1091

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.



58.5848, 0.3348, 0.2173



58.5848, 0.3614, 0.5284



58.5848, 0.1719, 0.1781

Square

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



58.5848, 0.3614, 0.5284



58.5848, 0.1463, 0.2687



58.5848, 0.2359, 0.1845



58.5848, 0.5132, 0.3376

Rectangle

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



58.5848, 0.3614, 0.5284



58.5848, 0.2089, 0.4238



58.5848, 0.2359, 0.1845



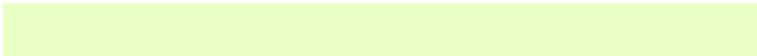
58.5848, 0.4097, 0.2516

Sweetspot

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



58.5874, 0.3614, 0.5284



92.8863, 0.3331, 0.3894



27.1174, 0.5176, 0.3907



19.6721, 0.3362, 0.3996



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.



58.5874, 0.3614, 0.5284



79.7822, 0.3577, 0.5509



52.8279, 0.3093, 0.5655



15.0100, 0.3210, 0.3525



33.2970, 0.3560, 0.5555



2.2056, 0.3663, 0.5473

Inverse Universe

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



10.9698, 0.2076, 0.1091



10.7008, 0.1856, 0.0821



19.3705, 0.2950, 0.1537



12.8512, 0.3038, 0.3052



4.1334, 0.1804, 0.0767



0.3159, 0.1988, 0.0869

Previews

White Background



This preview shows how the Yxy color 58.5848, 0.3614, 0.5284 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 58.5848, 0.3614, 0.5284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

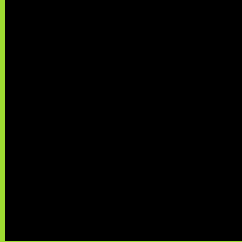
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5848, 0.3614, 0.5284

Background



This preview shows how black text looks on a background with the Yxy color 58.5848, 0.3614, 0.5284.



This preview shows how white text looks on a background with the Yxy color 58.5848, 0.3614, 0.5284.

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

58.5848, 0.3614, 0.5284

Protanopia

57.9703, 0.4321, 0.4779

Deuteranopia

57.7063, 0.4558, 0.4449



Tritanopia

58.2302, 0.2818, 0.3096

Trichromacy



Original Color

58.5848, 0.3614, 0.5284

Protanomaly

57.5963, 0.4048, 0.4973

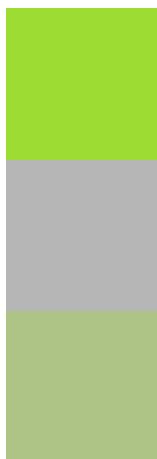
Deuteranomaly

56.8408, 0.4205, 0.4753

Tritanomaly

57.1424, 0.3177, 0.3956

Monochromacy



Original Color

58.5848, 0.3614, 0.5284

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

50.0853, 0.3400, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5848, 0.3614, 0.5284 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(157, 220, 50)` looks like.

```
.text, #text, p{  
    color:rgb(157, 220, 50)  
}
```

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(157, 220, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 220, 50) }
```

Border

The CSS property to change the border of an element to Yxy 58.5848, 0.3614, 0.5284 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(157, 220, 50) }
```

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

```
.border{ border-color:rgb(157, 220, 50) }
```

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

Here you see how a box with a 4 pixel rgb(157, 220, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 220, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 220, 50);  
box-shadow:4px 4px 4px 4px rgb(157, 220,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5848, 0.3614, 0.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 220, 50) }
```

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

```
.background{ background-color: rgb(157,  
220, 50) }
```

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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