

Converting Colors

$Y_{xy}(58.5020, 0.3782, 0.5379)$

Have a look what the booklet for
Yxy(58.5020, 0.3782, 0.5379)
contains.

Yxy(58.3583, 0.3781, 0.5380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.3583, 0.3781, 0.5380)

Conversions

Conversions Part 1

Format	Color
Hex	A7DA00
RGB	167, 218, 0
RGB Percent	65%, 85%, 0%
CMY	0.3449, 0.1451, 1.0000
CMYK	0.23, 0.00, 1.00, 0.15
HSL	74°, 100%, 43%
HSV	74°, 100%, 85%
XYZ	41.0135, 58.3583, 9.1009
YIQ	177.8990, 39.5820, -78.6100

Conversions

Conversions Part 2

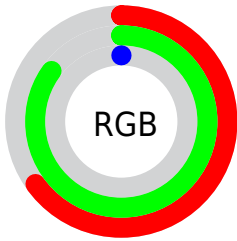
Format	Color
RYB	0, 218, 51
Decimal	11000320
CIELab	80.94, -40.00, 79.69
CIElCh	81, 89.165, 116.656
Yxy	58.3583, 0.3781, 0.5380
Android (android.graphics.Color)	4289190400 (0xFFA7DA00)
YUV	177.8990, -87.7042, -9.5584
Hunter-Lab	76.3926, -37.8543, 46.4114

Details

The Yxy color **58.3583, 0.3781, 0.5380** 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 **5.7646, 0.1621, 0.0667**, and the grayscale version is **44.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3606, 0.3835, 0.4925**, and **29.4456, 0.3626, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **58.3610, 0.3781, 0.5380**, and if you desaturate by 10%, it is **58.9843, 0.3802, 0.5307**.

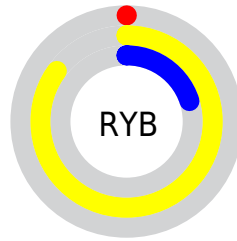
Distribution



Red (65%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (20%)

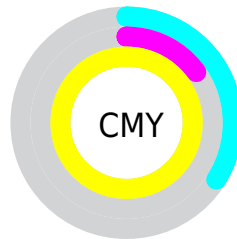


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (34%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3583, 0.3781, 0.5380 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 58.3583, 0.3781, 0.5380 by changing the saturation by 10% instead.


 58.3583, 0.3781,
0.5380

 58.3583, 0.3781,
0.5380


418.5197, 0.3578,
0.4385


 42.0968, 0.3786,
0.5589

 102.4444, 0.3741,
0.5044

 29.1771, 0.3767,
0.5829


 131.0378, 0.3716,
0.4910

 19.2148, 0.3711,
0.6109


 164.5107, 0.3690,
0.4792

 11.8256, 0.3579,
0.6421

 203.2473, 0.3665,
0.4690

 6.6250, 0.3292,
0.6708

 247.6321, 0.3641,
0.4600

 3.2287, 0.2852,
0.7148

 298.0495, 0.3619,

 1.2523, 0.1222,

0.4520

0.8778

354.8839, 0.3598,
0.4449

■ 0.1038, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3583, 0.3781,
0.5380

■ 58.3583, 0.3781,
0.5380

■ 58.3610, 0.3781,
0.5380

■ 58.9843, 0.3802,
0.5307

■ 59.6943, 0.3802,
0.5193

■ 60.5125, 0.3775,
0.5032

■ 61.4508, 0.3724,
0.4828

■ 62.5196, 0.3651,
0.4592

■ 63.7279, 0.3560,
0.4335

■ 65.0838, 0.3458,
0.4067

■ 66.5946, 0.3349,
0.3799

■ 68.2673, 0.3237,
0.3538

Harmonies

Analogous

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



58.3583, 0.4703, 0.4767



58.3583, 0.3781, 0.5380



58.3583, 0.2759, 0.5231

Triad

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



58.3583, 0.3781, 0.5380



58.3583, 0.1322, 0.2023



58.3583, 0.4361, 0.2571

Complementary

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



58.3583, 0.3781, 0.5380



5.7646, 0.1621, 0.0667

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.



58.3583, 0.3167, 0.2037



58.3583, 0.3781, 0.5380



58.3583, 0.1569, 0.1714

Square

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



58.3583, 0.3781, 0.5380



58.3583, 0.1409, 0.2796



58.3583, 0.2172, 0.1737



58.3583, 0.5203, 0.3243

Rectangle

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



58.3583, 0.3781, 0.5380



58.3583, 0.2142, 0.4531



58.3583, 0.2172, 0.1737



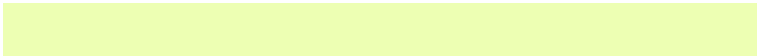
58.3583, 0.3970, 0.2372

Sweetspot

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



58.3610, 0.3781, 0.5380



92.7792, 0.3461, 0.4074



17.2610, 0.6129, 0.3516



19.6774, 0.3505, 0.4189



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.



58.3610, 0.3781, 0.5380



83.1742, 0.3777, 0.5383



51.0449, 0.3108, 0.5914



15.1025, 0.3231, 0.3523



35.0164, 0.3787, 0.5375



2.3065, 0.3857, 0.5320

Inverse Universe

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



5.7646, 0.1621, 0.0667



8.1685, 0.1615, 0.0663



12.5215, 0.2536, 0.1171



12.7633, 0.3017, 0.3051



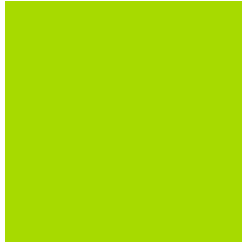
3.4945, 0.1632, 0.0673



0.2658, 0.1796, 0.0763

Previews

White Background



This preview shows how the Yxy color 58.3583, 0.3781, 0.5380 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 58.3583, 0.3781, 0.5380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

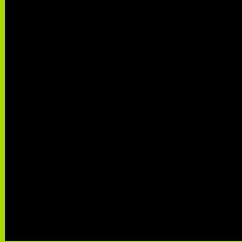
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3583, 0.3781, 0.5380

Background



This preview shows how black text looks on a background with the Yxy color 58.3583, 0.3781, 0.5380.



This preview shows how white text looks on a background with the Yxy color 58.3583, 0.3781, 0.5380.

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

58.3583, 0.3781, 0.5380

Protanopia

57.9420, 0.4405, 0.4885

Deuteranopia

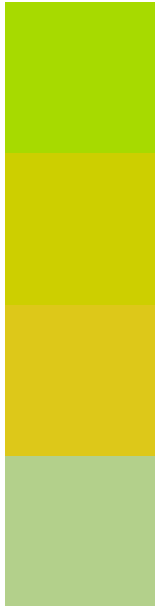
57.6756, 0.4654, 0.4554



Tritanopia

58.2654, 0.2892, 0.3098

Trichromacy



Original Color

58.3583, 0.3781, 0.5380

Protanomaly

57.6048, 0.4176, 0.5066

Deuteranomaly

56.7509, 0.4344, 0.4867

Tritanomaly

56.5595, 0.3386, 0.4180

Monochromacy



Original Color

58.3583, 0.3781, 0.5380

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

48.3309, 0.3569, 0.4366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3583, 0.3781, 0.5380 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(167, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 218, 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(167, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 218, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.3583, 0.3781, 0.5380 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(167, 218, 0) }
```

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

```
.border{ border-color:rgb(167, 218, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 218, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 218,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3583, 0.3781, 0.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 218, 0) }
```

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

```
.background{ background-color: rgb(167,  
218, 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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