

Converting Colors

Yxy(58.2915, 0.3856, 0.4939)

Have a look what the booklet for
Yxy(58.2915, 0.3856, 0.4939)
contains.

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Color

Yxy(58.3110, 0.3859, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	BDD443
RGB	189, 212, 67
RGB Percent	74%, 83%, 26%
CMY	0.2588, 0.1686, 0.7373
CMYK	0.11, 0.00, 0.68, 0.17
HSL	70°, 63%, 55%
HSV	70°, 68%, 83%
XYZ	45.5418, 58.3110, 14.1617
YIQ	188.5930, 32.8370, -49.9710

Conversions

Conversions Part 2

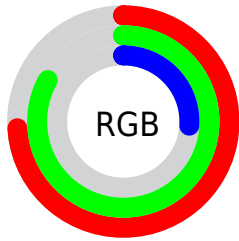
Format	Color
RYB	67, 212, 90
Decimal	12440643
CIELab	80.91, -26.47, 65.76
CIElCh	81, 70.882, 111.924
Yxy	58.3110, 0.3859, 0.4941
Android (android.graphics.Color)	4290630723 (0xFFBDD443)
YUV	188.5930, -59.9453, 0.3569
Hunter-Lab	76.3616, -27.1761, 42.4574

Details

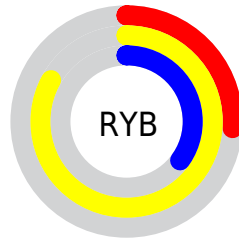
The Yxy color **58.3110, 0.3859, 0.4941** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **10.9396, 0.1958, 0.1183**, and the grayscale version is **50.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9065, 0.3835, 0.4565**, and **29.0195, 0.3918, 0.5271** is the 20% darker color. If you saturate the color by 10%, you get **57.6789, 0.3903, 0.5094**, and if you desaturate by 10%, it is **59.0514, 0.3790, 0.4748**.

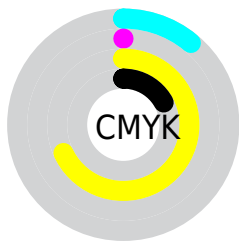
Distribution



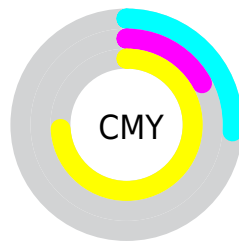
- Red (74%)
- Green (83%)
- Blue (26%)



- Red (26%)
- Yellow (83%)
- Blue (35%)



- Cyan (11%)
- Magenta (0%)
- Yellow (68%)
- Black (17%)





- Cyan (26%)
- Magenta (17%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3110, 0.3859, 0.4941 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 58.3110, 0.3859, 0.4941 by changing the saturation by 10% instead.

 58.3110, 0.3859,
0.4941

 58.3110, 0.3859,
0.4941


418.3438, 0.3569,
0.4151


 42.0587, 0.3902,
0.5114


 102.3756, 0.3775,
0.4670


 29.1473, 0.3939,
0.5319


 130.9567, 0.3737,
0.4563

 19.1923, 0.3959,
0.5560


 164.4163, 0.3702,
0.4470

 11.8093, 0.3962,
0.5872

 203.1386, 0.3671,
0.4390

 6.6140, 0.3842,
0.6158

 247.5081, 0.3642,
0.4319

 3.2219, 0.3551,
0.6449

297.9092, 0.3615,

 1.2486, 0.2868,

0.4256

0.7132

354.7263, 0.3591,
0.4201

■ 0.1009, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3110, 0.3859,
0.4941

■ 58.3110, 0.3859,
0.4941

■ 57.6789, 0.3903,
0.5094

■ 59.0514, 0.3790,
0.4748

■ 57.1365, 0.3920,
0.5201

■ 59.9015, 0.3700,
0.4522

■ 56.6700, 0.3915,
0.5266

■ 60.8719, 0.3594,
0.4274

■ 56.5989, 0.3913,
0.5275

■ 61.9699, 0.3477,
0.4014

■ 63.2023, 0.3354,
0.3752

■ 64.5752, 0.3230,
0.3496

■ 66.0944, 0.3108,
0.3252

■ 67.7654, 0.2991,
0.3023

■ 69.4123, 0.2899,
0.2838

Harmonies

Analogous

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



58.3110, 0.4569, 0.4479



58.3110, 0.3859, 0.4941



58.3110, 0.3006, 0.4863

Triad

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



58.3110, 0.3859, 0.4941



58.3110, 0.1599, 0.2344



58.3110, 0.3975, 0.2625

Complementary

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



58.3110, 0.3859, 0.4941



10.9396, 0.1958, 0.1183

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.



58.3110, 0.3029, 0.2188



58.3110, 0.3859, 0.4941



58.3110, 0.1768, 0.1999

Square

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



58.3110, 0.3859, 0.4941



58.3110, 0.1743, 0.3066



58.3110, 0.2245, 0.1965



58.3110, 0.4719, 0.3202

Rectangle

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



58.3110, 0.3859, 0.4941



58.3110, 0.2466, 0.4398



58.3110, 0.2245, 0.1965



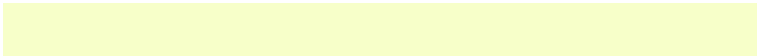
58.3110, 0.3661, 0.2459

Sweetspot

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



58.3137, 0.3859, 0.4941



95.4423, 0.3389, 0.3826



21.5042, 0.5199, 0.3525



20.3158, 0.3423, 0.3899



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.



58.3137, 0.3859, 0.4941



87.2182, 0.3914, 0.5147



51.3288, 0.3303, 0.5300



14.4156, 0.3242, 0.3522



34.9753, 0.3917, 0.5272



2.1369, 0.3968, 0.5231

Inverse Universe

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



10.9396, 0.1958, 0.1183



10.8317, 0.1730, 0.0842



16.3691, 0.2629, 0.1502



12.1024, 0.3006, 0.3051



3.1690, 0.1570, 0.0639



0.2214, 0.1714, 0.0718

Previews

White Background



This preview shows how the Yxy color 58.3110, 0.3859, 0.4941 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 58.3110, 0.3859, 0.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

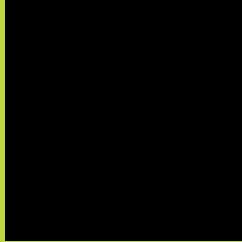
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3110, 0.3859, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 58.3110, 0.3859, 0.4941.



This preview shows how white text looks on a background with the Yxy color 58.3110, 0.3859, 0.4941.

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

58.3110, 0.3859, 0.4941

Protanopia

58.1510, 0.4253, 0.4678

Deuteranopia

58.0936, 0.4489, 0.4396



Tritanopia

58.0806, 0.3059, 0.3104

Trichromacy



Original Color

58.3110, 0.3859, 0.4941

Protanomaly

58.0413, 0.4108, 0.4775

Deuteranomaly

57.8087, 0.4258, 0.4593

Tritanomaly

57.4272, 0.3403, 0.3807

Monochromacy



Original Color

58.3110, 0.3859, 0.4941

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.7957, 0.3453, 0.3957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3110, 0.3859, 0.4941 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(189, 212, 67)` looks like.

```
.text, #text, p{  
    color:rgb(189, 212, 67)  
}
```

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(189, 212, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 212, 67) }
```

Border

The CSS property to change the border of an element to Yxy 58.3110, 0.3859, 0.4941 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(189, 212, 67) }
```

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

```
.border{ border-color:rgb(189, 212, 67) }
```

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

Here you see how a box with a 4 pixel rgb(189, 212, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 212, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 212, 67);  
box-shadow:4px 4px 4px 4px rgb(189, 212,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3110, 0.3859, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 212, 67) }
```

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

```
.background{ background-color: rgb(189,  
212, 67) }
```

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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