

Converting Colors

$Yxy(60.3404, 0.3668, 0.4840)$

Have a look what the booklet for
Yxy(60.3404, 0.3668, 0.4840)
contains.

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Color

Yxy(60.1707, 0.3668, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	B5D959
RGB	181, 217, 89
RGB Percent	71%, 85%, 35%
CMY	0.2903, 0.1490, 0.6509
CMYK	0.17, 0.00, 0.59, 0.15
HSL	77°, 63%, 60%
HSV	77°, 59%, 85%
XYZ	45.6665, 60.1707, 18.6625
YIQ	191.6440, 19.6320, -47.4400

Conversions

Conversions Part 2

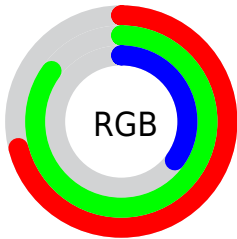
Format	Color
RYB	89, 217, 125
Decimal	11917657
CIELab	81.93, -30.50, 57.75
CIELCh	82, 65.311, 117.843
Yxy	60.1707, 0.3668, 0.4833
Android (android.graphics.Color)	4290107737 (0xFFB5D959)
YUV	191.6440, -50.6035, -9.3348
Hunter-Lab	77.5698, -30.6615, 40.0343

Details

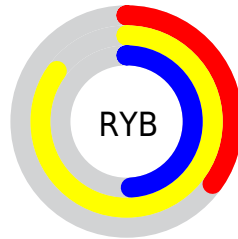
The Yxy color **60.1707, 0.3668, 0.4833** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **16.5242, 0.2261, 0.1521**, and the grayscale version is **52.7848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8539, 0.3671, 0.4419**, and **30.3104, 0.3726, 0.5216** is the 20% darker color. If you saturate the color by 10%, you get **59.1383, 0.3713, 0.5050**, and if you desaturate by 10%, it is **61.3484, 0.3601, 0.4585**.

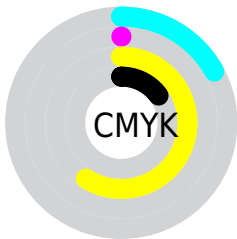
Distribution



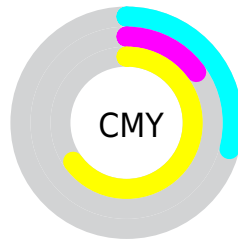
- Red (71%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (59%)
- Black (15%)





- Cyan (29%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1707, 0.3668, 0.4833 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 60.1707, 0.3668, 0.4833 by changing the saturation by 10% instead.


 60.1707, 0.3668,
0.4833


 60.1707, 0.3668,
0.4833


425.2267, 0.3456,
0.4079


 43.5562, 0.3700,
0.5007


 105.0773, 0.3606,
0.4568

 30.3218, 0.3728,
0.5219


 134.1381, 0.3578,
0.4466

 20.0830, 0.3744,
0.5479


 168.1166, 0.3553,
0.4378

 12.4554, 0.3728,
0.5798

 207.3971, 0.3530,
0.4302

 7.0546, 0.3705,
0.6295

252.3639, 0.3509,
0.4236

 3.4963, 0.3384,
0.6616

303.4015, 0.3489,

 1.3960, 0.2679,

0.4177

0.7321

360.8943, 0.3472,
0.4126

0.2138, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.1707, 0.3668,
0.4833

60.1707, 0.3668,
0.4833

59.1383, 0.3713,
0.5050

61.3484, 0.3601,
0.4585

58.2329, 0.3734,
0.5226

62.6722, 0.3518,
0.4319

57.4452, 0.3729,
0.5354

64.1529, 0.3423,
0.4045

56.7566, 0.3702,
0.5438

65.7980, 0.3322,
0.3774


 56.6894, 0.3699,
0.5445

 67.6144, 0.3219,
0.3512

 69.6085, 0.3117,
0.3266

 71.7864, 0.3018,
0.3037

 73.6525, 0.2971,
0.2900

 74.6807, 0.3013,
0.2905

Harmonies

Analogous

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



60.1707, 0.4359, 0.4507



60.1707, 0.3668, 0.4833



60.1707, 0.2876, 0.4610

Triad

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



60.1707, 0.3668, 0.4833



60.1707, 0.1715, 0.2336



60.1707, 0.4064, 0.2778

Complementary

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



60.1707, 0.3668, 0.4833



16.5242, 0.2261, 0.1521

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.



60.1707, 0.3209, 0.2334



60.1707, 0.3668, 0.4833



60.1707, 0.1931, 0.2068

Square

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



60.1707, 0.3668, 0.4833



60.1707, 0.1796, 0.2938



60.1707, 0.2439, 0.2082



60.1707, 0.4662, 0.3339

Rectangle

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



60.1707, 0.3668, 0.4833



60.1707, 0.2396, 0.4124



60.1707, 0.2439, 0.2082



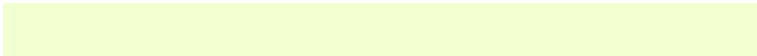
60.1707, 0.3789, 0.2613

Sweetspot

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



60.1734, 0.3668, 0.4833



95.0184, 0.3314, 0.3752



29.6793, 0.4667, 0.3691



20.1822, 0.3344, 0.3831



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.



60.1734, 0.3668, 0.4833



84.8521, 0.3721, 0.5101



54.2679, 0.3209, 0.5090



15.0700, 0.3224, 0.3524



34.3678, 0.3706, 0.5440



2.2691, 0.3788, 0.5374

Inverse Universe

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



16.5242, 0.2261, 0.1521



16.4666, 0.2043, 0.1162



22.7424, 0.2873, 0.1784



12.7938, 0.3025, 0.3051



3.6816, 0.1684, 0.0701



0.2815, 0.1858, 0.0797

Previews

White Background



This preview shows how the Yxy color 60.1707, 0.3668, 0.4833 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 60.1707, 0.3668, 0.4833 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 60.1707, 0.3668, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 60.1707, 0.3668, 0.4833.

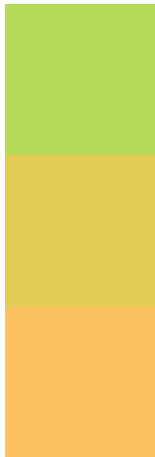


This preview shows how white text looks on a background with the Yxy color 60.1707, 0.3668, 0.4833.

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

60.1707, 0.3668, 0.4833

Protanopia

60.0104, 0.4139, 0.4549

Deuteranopia

59.4937, 0.4361, 0.4256



Tritanopia

60.0888, 0.2958, 0.3103

Trichromacy



Original Color

60.1707, 0.3668, 0.4833

Protanomaly

59.9745, 0.3967, 0.4659

Deuteranomaly

59.2001, 0.4108, 0.4465

Tritanomaly

59.6559, 0.3249, 0.3747

Monochromacy



Original Color

60.1707, 0.3668, 0.4833

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

54.8312, 0.3361, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1707, 0.3668, 0.4833 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(181, 217, 89)` looks like.

```
.text, #text, p{  
    color:rgb(181, 217, 89)  
}
```

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(181, 217, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 217, 89) }
```

Border

The CSS property to change the border of an element to Yxy 60.1707, 0.3668, 0.4833 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(181, 217, 89) }
```

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

```
.border{ border-color:rgb(181, 217, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 217, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 217, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 217, 89);  
box-shadow:4px 4px 4px 4px rgb(181, 217,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1707, 0.3668, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 217, 89) }
```

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

```
.background{ background-color: rgb(181,  
217, 89) }
```

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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