

Converting Colors

$Yxy(60.5606, 0.3732, 0.5044)$

Have a look what the booklet for
Yxy(60.5606, 0.3732, 0.5044)
contains.

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Color

Yxy(60.5333, 0.3729, 0.5050)

Conversions

Conversions Part 1

Format	Color
Hex	B2DB43
RGB	178, 219, 67
RGB Percent	70%, 86%, 26%
CMY	0.3021, 0.1411, 0.7373
CMYK	0.19, 0.00, 0.69, 0.14
HSL	76°, 68%, 56%
HSV	76°, 69%, 86%
XYZ	44.6987, 60.5333, 14.6359
YIQ	189.4130, 24.3560, -55.9640

Conversions

Conversions Part 2

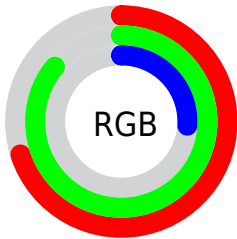
Format	Color
RYB	67, 219, 108
Decimal	11721539
CIELab	82.13, -34.14, 66.73
CIELCh	82, 74.958, 117.091
Yxy	60.5333, 0.3729, 0.5050
Android (android.graphics.Color)	4289911619 (0xFFB2DB43)
YUV	189.4130, -60.3496, -10.0092
Hunter-Lab	77.8031, -33.6053, 43.3089

Details

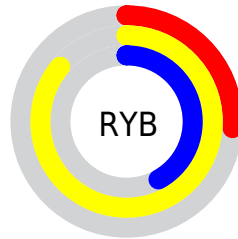
The Yxy color **60.5333, 0.3729, 0.5050** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **12.3186, 0.2065, 0.1212**, and the grayscale version is **51.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9546, 0.3758, 0.4603**, and **30.6159, 0.3741, 0.5412** is the 20% darker color. If you saturate the color by 10%, you get **59.6367, 0.3750, 0.5221**, and if you desaturate by 10%, it is **61.5648, 0.3683, 0.4837**.

Distribution



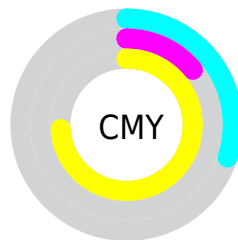
- Red (70%)
- Green (86%)
- Blue (26%)



- Red (26%)
- Yellow (86%)
- Blue (42%)



- Cyan (19%)
- Magenta (0%)
- Yellow (69%)
- Black (14%)





- Cyan (30%)
- Magenta (14%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5333, 0.3729, 0.5050 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 60.5333, 0.3729, 0.5050 by changing the saturation by 10% instead.


 60.5333, 0.3729,
0.5050


 60.5333, 0.3729,
0.5050


426.5607, 0.3509,
0.4200


 43.8486, 0.3754,
0.5239

 105.6029, 0.3671,
0.4756

 30.5515, 0.3770,
0.5466


 134.7566, 0.3642,
0.4640

 20.2576, 0.3762,
0.5735


 168.8355, 0.3615,
0.4541

 12.5824, 0.3723,
0.6078

 208.2239, 0.3590,
0.4454

 7.1416, 0.3566,
0.6434

 253.3062, 0.3567,
0.4379

 3.5508, 0.3210,
0.6790

304.4669, 0.3546,

 1.4256, 0.2370,

0.4312

0.7630

362.0902, 0.3527,
0.4253

■ 0.2355, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5333, 0.3729,
0.5050

■ 60.5333, 0.3729,
0.5050

■ 59.6367, 0.3750,
0.5221

■ 61.5648, 0.3683,
0.4837

■ 58.8546, 0.3746,
0.5345


■ 62.7335, 0.3615,
0.4593

■ 58.1696, 0.3720,
0.5425


■ 64.0513, 0.3530,
0.4328

■ 58.1310, 0.3718,
0.5430


■ 65.5264, 0.3434,
0.4056

 67.1665, 0.3331,
0.3785

 68.9785, 0.3225,
0.3523

 70.9690, 0.3121,
0.3276

 73.1442, 0.3020,
0.3046

 74.9099, 0.2980,
0.2922

Harmonies

Analogous

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



60.5333, 0.4510, 0.4619



60.5333, 0.3729, 0.5050



60.5333, 0.2842, 0.4848

Triad

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



60.5333, 0.3729, 0.5050



60.5333, 0.1554, 0.2216



60.5333, 0.4173, 0.2693

Complementary

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



60.5333, 0.3729, 0.5050



12.3186, 0.2065, 0.1212

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.



60.5333, 0.3188, 0.2212



60.5333, 0.3729, 0.5050



60.5333, 0.1781, 0.1926

Square

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



60.5333, 0.3729, 0.5050



60.5333, 0.1642, 0.2892



60.5333, 0.2329, 0.1941



60.5333, 0.4870, 0.3302

Rectangle

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



60.5333, 0.3729, 0.5050



60.5333, 0.2305, 0.4283



60.5333, 0.2329, 0.1941



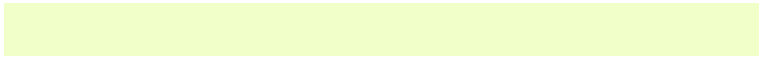
60.5333, 0.3854, 0.2514

Sweetspot

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



60.5360, 0.3729, 0.5050



94.3784, 0.3349, 0.3832



26.0932, 0.5070, 0.3722



20.0603, 0.3378, 0.3908



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.



60.5360, 0.3729, 0.5050



83.6830, 0.3752, 0.5281



53.9268, 0.3193, 0.5401



15.0779, 0.3226, 0.3524



34.5208, 0.3725, 0.5424



2.2779, 0.3805, 0.5361

Inverse Universe

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



12.3186, 0.2065, 0.1212



11.7110, 0.1843, 0.0890



19.2619, 0.2809, 0.1571



12.7864, 0.3023, 0.3051



3.6327, 0.1670, 0.0694



0.2775, 0.1842, 0.0788

Previews

White Background



This preview shows how the Yxy color 60.5333, 0.3729, 0.5050 looks on a white background.

Color Contrast Check

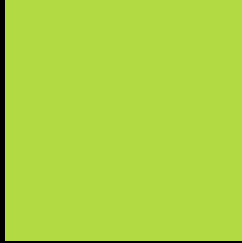
Large Text (above 18pt) WCAG AA × Fail

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 60.5333, 0.3729, 0.5050 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 60.5333, 0.3729, 0.5050

Background



This preview shows how black text looks on a background with the Yxy color 60.5333, 0.3729, 0.5050.



This preview shows how white text looks on a background with the Yxy color 60.5333, 0.3729, 0.5050.

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

60.5333, 0.3729, 0.5050

Protanopia

60.0386, 0.4259, 0.4693

Deuteranopia

60.1762, 0.4491, 0.4397



Tritanopia

60.4852, 0.2944, 0.3103

Trichromacy



Original Color

60.5333, 0.3729, 0.5050

Protanomaly

59.6727, 0.4067, 0.4824

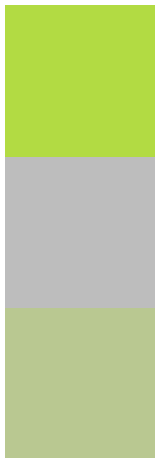
Deuteranomaly

59.3617, 0.4206, 0.4630

Tritanomaly

59.6286, 0.3282, 0.3850

Monochromacy



Original Color

60.5333, 0.3729, 0.5050

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.6672, 0.3411, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5333, 0.3729, 0.5050 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(178, 219, 67)` looks like.

```
.text, #text, p{  
    color:rgb(178, 219, 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(178, 219, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 219, 67) }
```

Border

The CSS property to change the border of an element to Yxy 60.5333, 0.3729, 0.5050 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(178, 219, 67) }
```

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

```
.border{ border-color:rgb(178, 219, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 219, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 219, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 219, 67);  
box-shadow:4px 4px 4px 4px rgb(178, 219,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5333, 0.3729, 0.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 219, 67) }
```

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

```
.background{ background-color: rgb(178,  
219, 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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