

Converting Colors

$Yxy(56.5080, 0.3715, 0.4829)$

Have a look what the booklet for
Yxy(56.5080, 0.3715, 0.4829)
contains.

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Color

Yxy(56.4366, 0.3719, 0.4828)

Conversions

Conversions Part 1

Format	Color
Hex	B4D254
RGB	180, 210, 84
RGB Percent	71%, 82%, 33%
CMY	0.2940, 0.1765, 0.6707
CMYK	0.14, 0.00, 0.60, 0.18
HSL	74°, 58%, 58%
HSV	74°, 60%, 82%
XYZ	43.4730, 56.4366, 16.9848
YIQ	186.6660, 22.5660, -45.5460

Conversions

Conversions Part 2

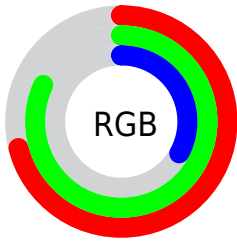
Format	Color
R_{YB}	84, 210, 114
Decimal	11850324
CIE _{Lab}	79.86, -27.96, 57.62
CIE _{LCh}	80, 64.041, 115.884
Yxy	56.4366, 0.3719, 0.4828
Android (android.graphics.Color)	4290040404 (0xFFB4D254)
YUV	186.6660, -50.6143, -5.8461
Hunter-Lab	75.1243, -28.1729, 39.1822

Details

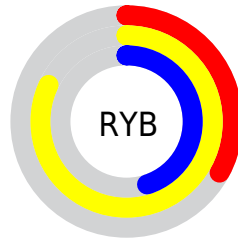
The Yxy color **56.4366, 0.3719, 0.4828** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.5650, 0.2197, 0.1472**, and the grayscale version is **49.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5321, 0.3691, 0.4468**, and **27.8069, 0.3790, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **55.5692, 0.3770, 0.5032**, and if you desaturate by 10%, it is **57.4293, 0.3646, 0.4591**.

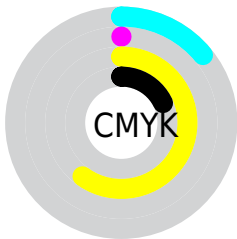
Distribution



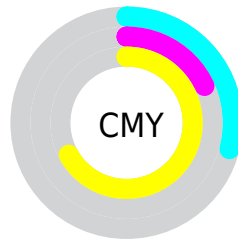
- Red (71%)
- Green (82%)
- Blue (33%)



- Red (33%)
- Yellow (82%)
- Blue (45%)



- Cyan (14%)
- Magenta (0%)
- Yellow (60%)
- Black (18%)




- Cyan (29%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4366, 0.3719, 0.4828 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 56.4366, 0.3719, 0.4828 by changing the saturation by 10% instead.


 56.4366, 0.3719,
0.4828

 56.4366, 0.3719,
0.4828


411.3348, 0.3480,
0.4073

 40.5531, 0.3756,
0.5002


 99.6426, 0.3648,
0.4562


 27.9700, 0.3791,
0.5215


 127.7340, 0.3617,
0.4459

 18.3031, 0.3813,
0.5475


 160.6633, 0.3588,
0.4372

 11.1678, 0.3803,
0.5794

 198.8151, 0.3562,
0.4295

 6.1798, 0.3756,
0.6244

242.5738, 0.3538,
0.4229

 2.9547, 0.3431,
0.6569

292.3237, 0.3517,

 1.1081, 0.2427,

0.4171

0.7573

348.4492, 0.3498,
0.4119

0.0000, 0.0000,
0.0000

56.4366, 0.3719,
0.4828

56.4366, 0.3719,
0.4828

55.5692, 0.3770,
0.5032

57.4293, 0.3646,
0.4591

54.8101, 0.3796,
0.5194

58.5479, 0.3557,
0.4334

54.1508, 0.3796,
0.5310

59.8024, 0.3455,
0.4066

53.5718, 0.3775,
0.5385

61.1994, 0.3347,
0.3798

62.7453, 0.3237,
0.3538

■ 64.4460, 0.3127,
0.3290

■ 66.3068, 0.3022,
0.3059

■ 68.3332, 0.2921,
0.2847

■ 69.3172, 0.2937,
0.2822

Harmonies

Analogous

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



56.4366, 0.4398, 0.4476



56.4366, 0.3719, 0.4828



56.4366, 0.2926, 0.4648

Triad

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



56.4366, 0.3719, 0.4828



56.4366, 0.1710, 0.2363



56.4366, 0.4013, 0.2743

Complementary

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



56.4366, 0.3719, 0.4828



14.5650, 0.2197, 0.1472

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.



56.4366, 0.3154, 0.2310



56.4366, 0.3719, 0.4828



56.4366, 0.1906, 0.2074

Square

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



56.4366, 0.3719, 0.4828



56.4366, 0.1810, 0.2989



56.4366, 0.2396, 0.2072



56.4366, 0.4640, 0.3300

Rectangle

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



56.4366, 0.3719, 0.4828



56.4366, 0.2438, 0.4182



56.4366, 0.2396, 0.2072



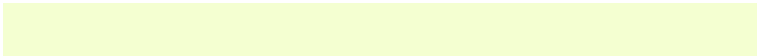
56.4366, 0.3734, 0.2581

Sweetspot

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



56.4391, 0.3719, 0.4828



95.3763, 0.3327, 0.3750



26.2376, 0.4739, 0.3643



20.2703, 0.3359, 0.3828



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.



56.4391, 0.3719, 0.4828



85.8779, 0.3780, 0.5082



50.5553, 0.3236, 0.5103



13.6501, 0.3230, 0.3522



32.7263, 0.3781, 0.5380



1.8649, 0.3860, 0.5317

Inverse Universe

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



14.5650, 0.2197, 0.1472



15.4271, 0.1972, 0.1110



20.2668, 0.2822, 0.1744



11.5515, 0.3018, 0.3052



3.2901, 0.1638, 0.0676



0.2213, 0.1828, 0.0781

Previews

White Background



This preview shows how the Yxy color 56.4366, 0.3719, 0.4828 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 56.4366, 0.3719, 0.4828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

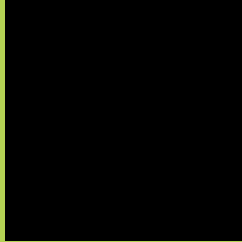
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4366, 0.3719, 0.4828

Background



This preview shows how black text looks on a background with the Yxy color 56.4366, 0.3719, 0.4828.



This preview shows how white text looks on a background with the Yxy color 56.4366, 0.3719, 0.4828.

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

56.4366, 0.3719, 0.4828

Protanopia

56.1830, 0.4156, 0.4565

Deuteranopia

55.9377, 0.4377, 0.4285



Tritanopia

56.2881, 0.3004, 0.3111

Trichromacy



Original Color

56.4366, 0.3719, 0.4828

Protanomaly

55.8143, 0.3994, 0.4665

Deuteranomaly

55.5566, 0.4134, 0.4476

Tritanomaly

55.9048, 0.3302, 0.3756

Monochromacy



Original Color

56.4366, 0.3719, 0.4828

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.4226, 0.3377, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4366, 0.3719, 0.4828 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(180, 210, 84)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 84)  
}
```

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(180, 210, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 84) }
```

Border

The CSS property to change the border of an element to Yxy 56.4366, 0.3719, 0.4828 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(180, 210, 84) }
```

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

```
.border{ border-color:rgb(180, 210, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 210, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 84);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4366, 0.3719, 0.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 84) }
```

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

```
.background{ background-color: rgb(180,  
210, 84) }
```

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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