

Converting Colors

$Yxy(66.8001, 0.3607, 0.4941)$

Have a look what the booklet for
Yxy(66.8001, 0.3607, 0.4941)
contains.

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Color

Yxy(67.0015, 0.3608, 0.4946)

Conversions

Conversions Part 1

Format	Color
Hex	B4E658
RGB	180, 230, 88
RGB Percent	71%, 90%, 35%
CMY	0.2942, 0.0980, 0.6549
CMYK	0.22, 0.00, 0.62, 0.10
HSL	81°, 74%, 62%
HSV	81°, 62%, 90%
XYZ	48.8761, 67.0015, 19.5884
YIQ	198.8620, 15.7820, -54.7620

Conversions

Conversions Part 2

Format	Color
R_{YB}	88, 230, 138
Decimal	11855448
CIE _{Lab}	85.50, -36.94, 62.10
CIE _{LCh}	86, 72.260, 120.745
Yxy	67.0015, 0.3608, 0.4946
Android (android.graphics.Color)	4290045528 (0xFFB4E658)
YUV	198.8620, -54.6550, -16.5420
Hunter-Lab	81.8544, -36.6611, 43.1096

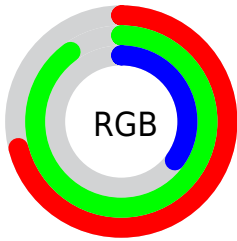
Details

The Yxy color **67.0015, 0.3608, 0.4946** is a light color, and the websafe version is hex **CCFF66**.

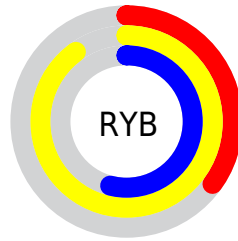
The color can be described as light muted chartreuse. A complement of this color would be **18.0999, 0.2293, 0.1469**, and the grayscale version is **57.3565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6803, 0.3664, 0.4422**, and **34.5669, 0.3639, 0.5350** is the 20% darker color. If you saturate the color by 10%, you get **65.7373, 0.3634, 0.5167**, and if you desaturate by 10%, it is **68.4488, 0.3559, 0.4692**.

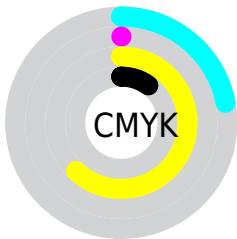
Distribution



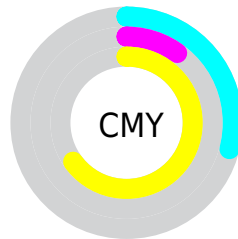
- Red (71%)
- Green (90%)
- Blue (35%)



- Red (35%)
- Yellow (90%)
- Blue (54%)



- Cyan (22%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0015, 0.3608, 0.4946 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 67.0015, 0.3608, 0.4946 by changing the saturation by 10% instead.

 67.0015, 0.3608,
0.4946


 67.0015, 0.3608,
0.4946


449.9501, 0.3436,
0.4147

 49.0858, 0.3628,
0.5127

 114.9226, 0.3562,
0.4668

 34.6876, 0.3641,
0.5347


 145.6968, 0.3540,
0.4559

 23.4223, 0.3638,
0.5614


 181.5259, 0.3519,
0.4466

 14.9057, 0.3600,
0.5940

 222.7945, 0.3500,
0.4385

 8.7532, 0.3551,
0.6449

269.8867, 0.3482,
0.4315

 4.5806, 0.3220,
0.6780

323.1872, 0.3465,

 2.0033, 0.2670,

0.4252

0.7330

383.0802, 0.3450,
0.4197

0.6094, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0015, 0.3608,
0.4946

67.0015, 0.3608,
0.4946

65.7373, 0.3634,
0.5167

68.4488, 0.3559,
0.4692

64.6344, 0.3636,
0.5343


70.0813, 0.3493,
0.4417

63.6808, 0.3613,
0.5469


71.9121, 0.3413,
0.4135


62.9862, 0.3579,
0.5540


73.9505, 0.3326,
0.3855

 76.2049, 0.3234,
0.3585

 78.6834, 0.3143,
0.3332

 81.3935, 0.3054,
0.3098

 83.1978, 0.3070,
0.3043

 84.6861, 0.3124,
0.3047

Harmonies

Analogous

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



67.0015, 0.4362, 0.4619



67.0015, 0.3608, 0.4946



67.0015, 0.2772, 0.4652

Triad

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



67.0015, 0.3608, 0.4946



67.0015, 0.1649, 0.2233



67.0015, 0.4206, 0.2797

Complementary

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



67.0015, 0.3608, 0.4946



18.0999, 0.2293, 0.1469

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.



67.0015, 0.3300, 0.2318



67.0015, 0.3608, 0.4946



67.0015, 0.1903, 0.1989

Square

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



67.0015, 0.3608, 0.4946



67.0015, 0.1699, 0.2829



67.0015, 0.2464, 0.2032



67.0015, 0.4798, 0.3390

Rectangle

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



67.0015, 0.3608, 0.4946



67.0015, 0.2281, 0.4093



67.0015, 0.2464, 0.2032



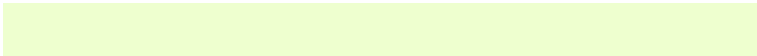
67.0015, 0.3918, 0.2621

Sweetspot

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



67.0045, 0.3608, 0.4946



94.1678, 0.3302, 0.3782



35.6217, 0.4677, 0.3835



19.9869, 0.3328, 0.3861



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.



67.0045, 0.3608, 0.4946



82.6734, 0.3637, 0.5219



60.5747, 0.3139, 0.5223



16.5498, 0.3213, 0.3526



35.7262, 0.3588, 0.5533



2.6915, 0.3677, 0.5462

Inverse Universe

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



18.0999, 0.2293, 0.1469



16.1209, 0.2089, 0.1136



26.2064, 0.2976, 0.1773



14.1329, 0.3035, 0.3051



4.2877, 0.1774, 0.0751



0.3673, 0.1936, 0.0840

Previews

White Background



This preview shows how the Yxy color 67.0015, 0.3608, 0.4946 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 67.0015, 0.3608, 0.4946 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 67.0015, 0.3608, 0.4946

Background



This preview shows how black text looks on a background with the Yxy color 67.0015, 0.3608, 0.4946.



This preview shows how white text looks on a background with the Yxy color 67.0015, 0.3608, 0.4946.

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

67.0015, 0.3608, 0.4946

Protanopia

66.2176, 0.4178, 0.4589

Deuteranopia

66.4812, 0.4104, 0.4074



Tritanopia

67.0007, 0.2892, 0.3098

Trichromacy



Original Color

67.0015, 0.3608, 0.4946

Protanomaly

65.9178, 0.3960, 0.4722

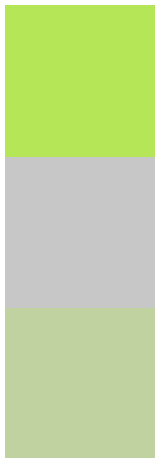
Deuteranomaly

65.7794, 0.3935, 0.4385

Tritanomaly

66.0846, 0.3182, 0.3783

Monochromacy



Original Color

67.0015, 0.3608, 0.4946

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

59.8029, 0.3347, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0015, 0.3608, 0.4946 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, 230, 88)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 88)  
}
```

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, 230, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 88) }
```

Border

The CSS property to change the border of an element to Yxy 67.0015, 0.3608, 0.4946 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, 230, 88) }
```

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

```
.border{ border-color:rgb(180, 230, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 230, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 88);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0015, 0.3608, 0.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 88) }
```

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

```
.background{ background-color: rgb(180,  
230, 88) }
```

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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