

Converting Colors

$Yxy(67.9705, 0.3563, 0.4837)$

Have a look what the booklet for
Yxy(67.9705, 0.3563, 0.4837)
contains.

Yxy(68.0170, 0.3565, 0.4833)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.0170, 0.3565, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	B6E764
RGB	182, 231, 100
RGB Percent	71%, 91%, 39%
CMY	0.2862, 0.0941, 0.6078
CMYK	0.21, 0.00, 0.57, 0.09
HSL	82°, 73%, 65%
HSV	82°, 57%, 91%
XYZ	50.1719, 68.0170, 22.5457
YIQ	201.4150, 12.8470, -51.1290

Conversions

Conversions Part 2

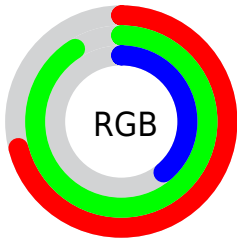
Format	Color
RYB	100, 231, 149
Decimal	11986788
CIELab	86.01, -35.63, 57.57
CIELCh	86, 67.701, 121.755
Yxy	68.0170, 0.3565, 0.4833
Android (android.graphics.Color)	4290176868 (0xFFB6E764)
YUV	201.4150, -49.9976, -17.0270
Hunter-Lab	82.4724, -35.7368, 41.5225

Details

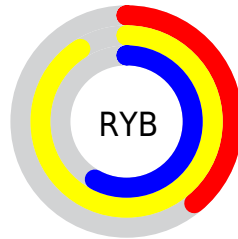
The Yxy color **68.0170, 0.3565, 0.4833** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.2781, 0.2401, 0.1628**, and the grayscale version is **58.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4118, 0.3614, 0.4303**, and **35.2850, 0.3605, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **66.6145, 0.3599, 0.5077**, and if you desaturate by 10%, it is **69.6172, 0.3510, 0.4563**.

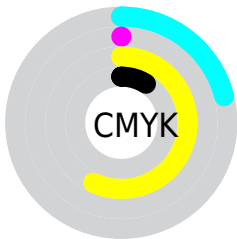
Distribution



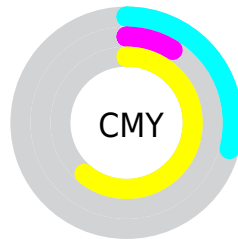
- Red (71%)
- Green (91%)
- Blue (39%)



- Red (39%)
- Yellow (91%)
- Blue (58%)



- Cyan (21%)
- Magenta (0%)
- Yellow (57%)
- Black (9%)





- Cyan (29%)
- Magenta (9%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0170, 0.3565, 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 68.0170, 0.3565, 0.4833 by changing the saturation by 10% instead.


 68.0170, 0.3565,
0.4833

 68.0170, 0.3565,
0.4833


453.5562, 0.3404,
0.4087

 49.9116, 0.3586,
0.5004

 116.3765, 0.3521,
0.4572


 35.3431, 0.3603,
0.5214


 147.3993, 0.3500,
0.4470

 23.9273, 0.3608,
0.5473


 183.4967, 0.3480,
0.4384

 15.2797, 0.3585,
0.5794

 225.0531, 0.3463,
0.4308

 9.0159, 0.3533,
0.6248

272.4528, 0.3446,
0.4242

 4.7516, 0.3300,
0.6700

326.0803, 0.3431,

 2.1023, 0.2795,

0.4184

0.7205

386.3200, 0.3417,
0.4133

0.6659, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.0170, 0.3565,
0.4833

68.0170, 0.3565,
0.4833

66.6145, 0.3599,
0.5077

69.6172, 0.3510,
0.4563

65.3884, 0.3610,
0.5281


71.4170, 0.3441,
0.4280


64.3278, 0.3596,
0.5436


73.4292, 0.3360,
0.3995


63.4149, 0.3559,
0.5540


75.6630, 0.3274,
0.3718


 63.1368, 0.3544,
0.5568

 78.1269, 0.3186,
0.3456

 80.8288, 0.3099,
0.3212

 83.3359, 0.3055,
0.3052

 84.9049, 0.3112,
0.3056

 85.6319, 0.3138,
0.3058

Harmonies

Analogous

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



68.0170, 0.4278, 0.4565



68.0170, 0.3565, 0.4833



68.0170, 0.2778, 0.4526

Triad

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



68.0170, 0.3565, 0.4833



68.0170, 0.1733, 0.2287



68.0170, 0.4159, 0.2848

Complementary

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



68.0170, 0.3565, 0.4833



21.2781, 0.2401, 0.1628

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.



68.0170, 0.3322, 0.2386



68.0170, 0.3565, 0.4833



68.0170, 0.1986, 0.2060

Square

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



68.0170, 0.3565, 0.4833



68.0170, 0.1774, 0.2843



68.0170, 0.2530, 0.2107



68.0170, 0.4697, 0.3417

Rectangle

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



68.0170, 0.3565, 0.4833



68.0170, 0.2318, 0.4005



68.0170, 0.2530, 0.2107



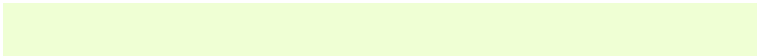
68.0170, 0.3896, 0.2678

Sweetspot

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



68.0200, 0.3565, 0.4833



94.5698, 0.3277, 0.3729



39.1043, 0.4489, 0.3828



20.1166, 0.3295, 0.3784



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.



68.0200, 0.3565, 0.4833



83.0903, 0.3603, 0.5114



61.8882, 0.3134, 0.5066



16.5338, 0.3210, 0.3526



35.4684, 0.3554, 0.5560



2.6736, 0.3647, 0.5486

Inverse Universe

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



21.2781, 0.2401, 0.1628



19.3462, 0.2214, 0.1299



29.1147, 0.3016, 0.1885



14.1484, 0.3038, 0.3051



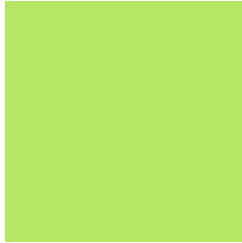
4.4190, 0.1806, 0.0769



0.3782, 0.1969, 0.0859

Previews

White Background



This preview shows how the Yxy color 68.0170, 0.3565, 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 68.0170, 0.3565, 0.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

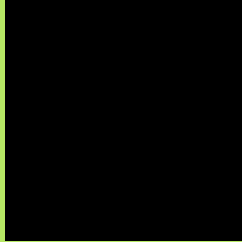
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0170, 0.3565, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 68.0170, 0.3565, 0.4833.



This preview shows how white text looks on a background with the Yxy color 68.0170, 0.3565, 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

68.0170, 0.3565, 0.4833

Protanopia

67.6042, 0.4112, 0.4511

Deuteranopia

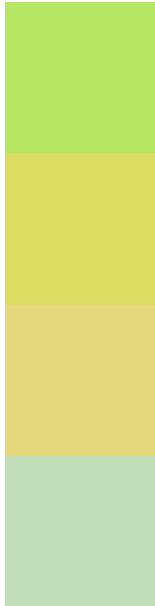
67.2088, 0.4035, 0.3998



Tritanopia

67.7083, 0.2893, 0.3099

Trichromacy



Original Color

68.0170, 0.3565, 0.4833

Protanomaly

67.4814, 0.3906, 0.4630

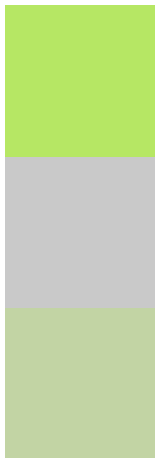
Deuteranomaly

66.5501, 0.3861, 0.4287

Tritanomaly

67.0828, 0.3163, 0.3731

Monochromacy



Original Color

68.0170, 0.3565, 0.4833

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

61.2366, 0.3324, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0170, 0.3565, 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(182, 231, 100)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 100)  
}
```

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(182, 231, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 100) }
```

Border

The CSS property to change the border of an element to Yxy 68.0170, 0.3565, 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(182, 231, 100) }
```

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

```
.border{ border-color:rgb(182, 231, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 100);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0170, 0.3565, 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(182, 231, 100) }
```

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

```
.background{ background-color: rgb(182,  
231, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor