

Converting Colors

$Yxy(67.6939, 0.3662, 0.5025)$

Have a look what the booklet for
Yxy(67.6939, 0.3662, 0.5025)
contains.

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Color

Yxy(67.6470, 0.3660, 0.5027)

Conversions

Conversions Part 1

Format	Color
Hex	B6E74E
RGB	182, 231, 78
RGB Percent	71%, 91%, 31%
CMY	0.2861, 0.0941, 0.6941
CMYK	0.21, 0.00, 0.66, 0.09
HSL	79°, 76%, 61%
HSV	79°, 66%, 91%
XYZ	49.2516, 67.6470, 17.6687
YIQ	198.9070, 19.9090, -57.9710

Conversions

Conversions Part 2

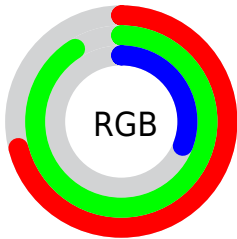
Format	Color
RYB	78, 231, 127
Decimal	11986766
CIELab	85.83, -37.32, 66.48
CIELCh	86, 76.238, 119.307
Yxy	67.6470, 0.3660, 0.5027
Android (android.graphics.Color)	4290176846 (0xFFB6E74E)
YUV	198.9070, -59.6072, -14.8274
Hunter-Lab	82.2478, -37.0442, 44.8366

Details

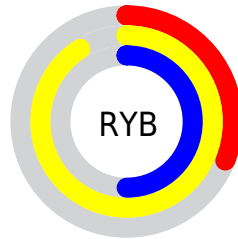
The Yxy color **67.6470, 0.3660, 0.5027** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **15.7262, 0.2178, 0.1323**, and the grayscale version is **57.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9420, 0.3732, 0.4495**, and **35.0309, 0.3692, 0.5432** is the 20% darker color. If you saturate the color by 10%, you get **66.4984, 0.3681, 0.5222**, and if you desaturate by 10%, it is **68.9655, 0.3615, 0.4793**.

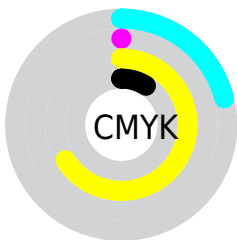
Distribution



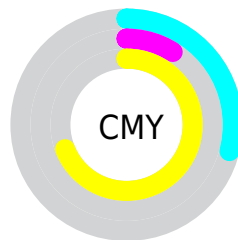
- Red (71%)
- Green (91%)
- Blue (31%)



- Red (31%)
- Yellow (91%)
- Blue (50%)



- Cyan (21%)
- Magenta (0%)
- Yellow (66%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6470, 0.3660, 0.5027 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 67.6470, 0.3660, 0.5027 by changing the saturation by 10% instead.


 67.6470, 0.3660,
0.5027

 67.6470, 0.3660,
0.5027


452.2443, 0.3473,
0.4197


 49.6106, 0.3680,
0.5212


 115.8470, 0.3612,
0.4740


 35.1041, 0.3692,
0.5433


 146.7794, 0.3588,
0.4628

 23.7431, 0.3685,
0.5699


 182.7793, 0.3565,
0.4531

 15.1431, 0.3636,
0.6015

 224.2310, 0.3544,
0.4446

 8.9199, 0.3545,
0.6455

 271.5190, 0.3524,
0.4372

 4.6890, 0.3216,
0.6784

325.0276, 0.3505,

 2.0660, 0.2676,

0.4307

0.7324

385.1412, 0.3488,
0.4249

0.6454, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6470, 0.3660,
0.5027

67.6470, 0.3660,
0.5027

66.4984, 0.3681,
0.5222

68.9655, 0.3615,
0.4793

65.4970, 0.3676,
0.5371


70.4564, 0.3551,
0.4531


64.6292, 0.3647,
0.5469


72.1331, 0.3470,
0.4255


64.3265, 0.3632,
0.5498


74.0051, 0.3380,
0.3976

 76.0811, 0.3284,
0.3704

 78.3691, 0.3187,
0.3444

 80.8768, 0.3091,
0.3201

 83.0988, 0.3046,
0.3051

 84.4270, 0.3095,
0.3055

Harmonies

Analogous

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



67.6470, 0.4441, 0.4643



67.6470, 0.3660, 0.5027



67.6470, 0.2788, 0.4765

Triad

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



67.6470, 0.3660, 0.5027



67.6470, 0.1585, 0.2203



67.6470, 0.4218, 0.2745

Complementary

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



67.6470, 0.3660, 0.5027



15.7262, 0.2178, 0.1323

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.



67.6470, 0.3259, 0.2258



67.6470, 0.3660, 0.5027



67.6470, 0.1832, 0.1939

Square

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



67.6470, 0.3660, 0.5027



67.6470, 0.1649, 0.2839



67.6470, 0.2396, 0.1973



67.6470, 0.4865, 0.3353

Rectangle

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



67.6470, 0.3660, 0.5027



67.6470, 0.2270, 0.4187



67.6470, 0.2396, 0.1973



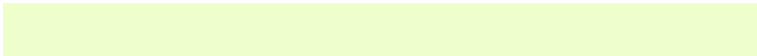
67.6470, 0.3911, 0.2565

Sweetspot

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



67.6500, 0.3660, 0.5027



94.1756, 0.3322, 0.3808



32.5751, 0.4882, 0.3801



20.0008, 0.3349, 0.3885



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.



67.6500, 0.3660, 0.5027



82.8010, 0.3682, 0.5275



60.7659, 0.3157, 0.5344



16.5740, 0.3218, 0.3526



36.1339, 0.3641, 0.5491



2.7195, 0.3723, 0.5426

Inverse Universe

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



15.7262, 0.2178, 0.1323



13.6678, 0.1967, 0.1003



23.9073, 0.2907, 0.1664



14.1098, 0.3030, 0.3051



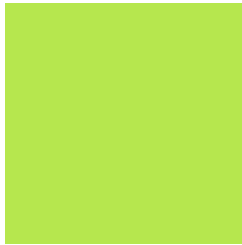
4.1073, 0.1729, 0.0726



0.3520, 0.1888, 0.0814

Previews

White Background



This preview shows how the Yxy color 67.6470, 0.3660, 0.5027 looks on a white background.

Color Contrast Check

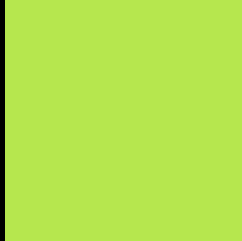
Large Text (above 18pt) WCAG AA × Fail

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 67.6470, 0.3660, 0.5027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

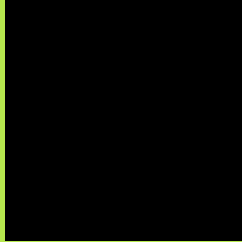
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6470, 0.3660, 0.5027

Background



This preview shows how black text looks on a background with the Yxy color 67.6470, 0.3660, 0.5027.



This preview shows how white text looks on a background with the Yxy color 67.6470, 0.3660, 0.5027.

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

67.6470, 0.3660, 0.5027

Protanopia

66.9249, 0.4232, 0.4655

Deuteranopia

67.0413, 0.4078, 0.4056



Tritanopia

67.2743, 0.2906, 0.3099

Trichromacy



Original Color

67.6470, 0.3660, 0.5027

Protanomaly

66.5998, 0.4014, 0.4793

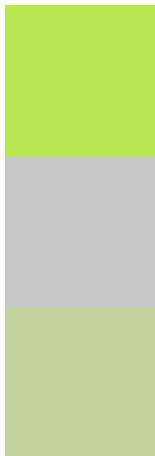
Deuteranomaly

66.2647, 0.3935, 0.4403

Tritanomaly

66.2247, 0.3216, 0.3818

Monochromacy



Original Color

67.6470, 0.3660, 0.5027

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

60.2925, 0.3381, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6470, 0.3660, 0.5027 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 78) }
```

Border

The CSS property to change the border of an element to Yxy 67.6470, 0.3660, 0.5027 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, 78) }
```

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

```
.border{ border-color:rgb(182, 231, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 78);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6470, 0.3660, 0.5027 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, 78) }
```

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

```
.background{ background-color: rgb(182,  
231, 78) }
```

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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