

Converting Colors

$Yxy(60.5304, 0.3068, 0.4548)$

Have a look what the booklet for
Yxy(60.5304, 0.3068, 0.4548)
contains.

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Color

Yxy(60.5304, 0.3068, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	85E185
RGB	133, 225, 133
RGB Percent	52%, 88%, 52%
CMY	0.4784, 0.1176, 0.4783
CMYK	0.41, 0.00, 0.41, 0.12
HSL	120°, 61%, 70%
HSV	120°, 41%, 88%
XYZ	40.8327, 60.5304, 31.7292
YIQ	187.0040, -25.3000, -48.1160

Conversions

Conversions Part 2

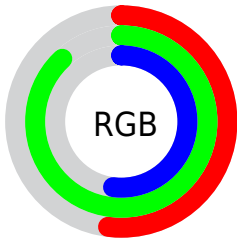
Format	Color
RYB	133, 225, 225
Decimal	8774021
CIELab	82.13, -45.68, 36.59
CIELCh	82, 58.524, 141.307
Yxy	60.5304, 0.3068, 0.4548
Android (android.graphics.Color)	4286964101 (0xFF85E185)
YUV	187.0040, -26.6240, -47.3615
Hunter-Lab	77.8013, -42.4694, 30.2810

Details

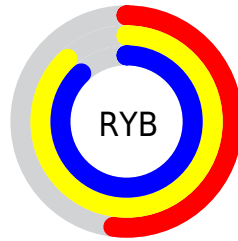
The Yxy color **60.5304, 0.3068, 0.4548** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **38.2183, 0.3174, 0.2288**, and the grayscale version is **49.8623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0550, 0.3109, 0.4056**, and **30.5629, 0.3017, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **58.3368, 0.3051, 0.4908**, and if you desaturate by 10%, it is **63.2545, 0.3085, 0.4196**.

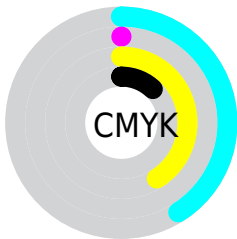
Distribution



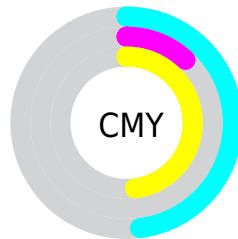
- Red (52%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)




- Cyan (48%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5304, 0.3068, 0.4548 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 60.5304, 0.3068, 0.4548 by changing the saturation by 10% instead.

 60.5304, 0.3068,
0.4548


 60.5304, 0.3068,
0.4548

426.5501, 0.3121,
0.3908

 43.8463, 0.3047,
0.4709


 105.5987, 0.3093,
0.4314

 30.5497, 0.3017,
0.4915


 134.7517, 0.3100,
0.4226

 20.2562, 0.2969,
0.5187


 168.8297, 0.3106,
0.4152

 12.5814, 0.2889,
0.5561

208.2173, 0.3111,
0.4089

 7.1409, 0.2747,
0.6094

253.2987, 0.3114,
0.4035

 3.5504, 0.2577,
0.7202

304.4583, 0.3117,

 1.4254, 0.1014,

0.3987

0.8986

362.0807, 0.3119,
0.3945

■ 0.2353, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5304, 0.3068,
0.4548

■ 60.5304, 0.3068,
0.4548

■ 58.3368, 0.3051,
0.4908

■ 63.2545, 0.3085,
0.4196

■ 56.6321, 0.3035,
0.5254


■ 66.5322, 0.3100,
0.3868


■ 55.3812, 0.3021,
0.5556

■ 70.3947, 0.3114,
0.3572

■ 54.5406, 0.3010,
0.5789

■ 74.8683, 0.3126,
0.3312

 54.0588, 0.3003,
0.5934

 79.9781, 0.3137,
0.3085

 53.8524, 0.3000,
0.6000

 82.3323, 0.3141,
0.2999

Harmonies

Analogous

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



60.5304, 0.3781, 0.4644



60.5304, 0.3068, 0.4548



60.5304, 0.2409, 0.3940

Triad

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



60.5304, 0.3068, 0.4548



60.5304, 0.1972, 0.2211



60.5304, 0.4418, 0.3231

Complementary

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



60.5304, 0.3068, 0.4548



38.2183, 0.3174, 0.2288

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.



60.5304, 0.3810, 0.2729



60.5304, 0.3068, 0.4548



60.5304, 0.2384, 0.2165

Square

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



60.5304, 0.3068, 0.4548



60.5304, 0.1832, 0.2529



60.5304, 0.3041, 0.2352



60.5304, 0.4613, 0.3784

Rectangle

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



60.5304, 0.3068, 0.4548



60.5304, 0.2088, 0.3402



60.5304, 0.3041, 0.2352



60.5304, 0.4252, 0.3054

Sweetspot

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



60.5329, 0.3068, 0.4548



92.8353, 0.3112, 0.3606



71.5539, 0.3737, 0.4298



19.7191, 0.3111, 0.3643



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.



60.5329, 0.3068, 0.4548



77.8837, 0.3054, 0.4853



62.0936, 0.2812, 0.3903



15.3373, 0.3116, 0.3532



31.0312, 0.3000, 0.6000



2.1509, 0.3000, 0.5999

Inverse Universe

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



38.2183, 0.3174, 0.2288



44.4565, 0.3183, 0.2103



36.0379, 0.3640, 0.2757



13.9356, 0.3138, 0.3059



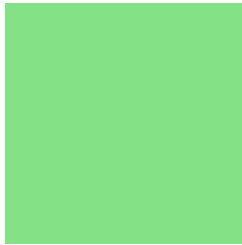
12.3551, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 60.5304, 0.3068, 0.4548 looks on a white background.

Color Contrast Check

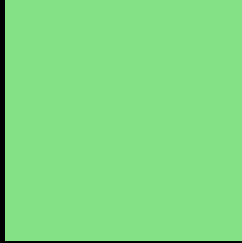
Large Text (above 18pt) WCAG AA × Fail

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 60.5304, 0.3068, 0.4548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

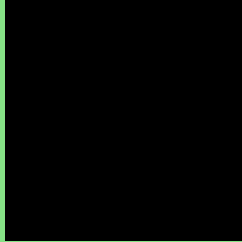
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.5304, 0.3068, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 60.5304, 0.3068, 0.4548.



This preview shows how white text looks on a background with the Yxy color 60.5304, 0.3068, 0.4548.

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

60.5304, 0.3068, 0.4548

Protanopia

59.7221, 0.3861, 0.4179

Deuteranopia

59.3543, 0.3962, 0.3878



Tritanopia

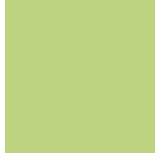
60.0334, 0.2615, 0.3068

Trichromacy



Original Color

60.5304, 0.3068, 0.4548



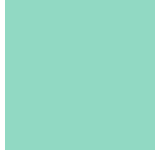
Protanomaly

59.0942, 0.3540, 0.4320



Deuteranomaly

58.0253, 0.3598, 0.4118



Tritanomaly

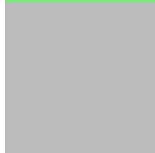
59.5856, 0.2781, 0.3576

Monochromacy



Original Color

60.5304, 0.3068, 0.4548



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.7788, 0.3106, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5304, 0.3068, 0.4548 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(133, 225, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 225, 133)  
}
```

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(133, 225, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 225, 133) }
```

Border

The CSS property to change the border of an element to Yxy 60.5304, 0.3068, 0.4548 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(133, 225, 133) }
```

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

```
.border{ border-color:rgb(133, 225, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 225, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 225, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 225, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 225,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5304, 0.3068, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 225, 133) }
```

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

```
.background{ background-color: rgb(133,  
225, 133) }
```

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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