

Converting Colors

$Yxy(60.6588, 0.3308, 0.5194)$

Have a look what the booklet for
Yxy(60.6588, 0.3308, 0.5194)
contains.

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Color

Yxy(60.4378, 0.3307, 0.5195)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 84E351 |
| RGB | 132, 227, 81 |
| RGB Percent | 52%, 89%, 32% |
| CMY | 0.4823, 0.1098, 0.6822 |
| CMYK | 0.42, 0.00, 0.64, 0.11 |
| HSL | 99°, 72%, 60% |
| HSV | 99°, 64%, 89% |
| XYZ | 38.4731, 60.4378, 17.4275 |
| YIQ | 181.9510, -9.7540, -65.5460 |

Conversions

Conversions Part 2

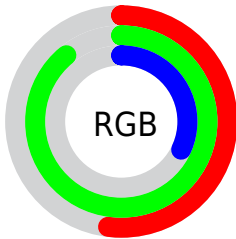
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 81, 227, 176 |
| Decimal | 8708945 |
| CIELab | 82.08, -52.87, 60.51 |
| CIELCh | 82, 80.354, 131.149 |
| Yxy | 60.4378, 0.3307, 0.5195 |
| Android (android.graphics.Color) | 4286899025 (0xFF84E351) |
| YUV | 181.9510, -49.7688, -43.8070 |
| Hunter-Lab | 77.7418, -47.7114, 41.1281 |

Details

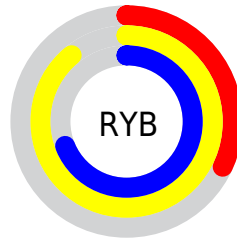
The Yxy color **60.4378, 0.3307, 0.5195** is a light color, and the websafe version is hex **66CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.6668, 0.2666, 0.1587**, and the grayscale version is **47.0365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2447, 0.3376, 0.4629**, and **30.5860, 0.3252, 0.5710** is the 20% darker color. If you saturate the color by 10%, you get **59.0468, 0.3290, 0.5456**, and if you desaturate by 10%, it is **62.1164, 0.3307, 0.4896**.

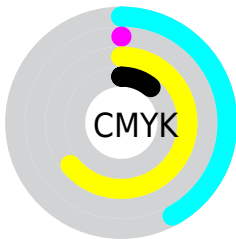
Distribution



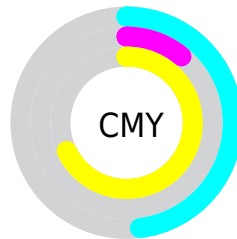
- Red (52%)
- Green (89%)
- Blue (32%)



- Red (32%)
- Yellow (89%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (64%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4378, 0.3307, 0.5195 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 60.4378, 0.3307, 0.5195 by changing the saturation by 10% instead.


 60.4378, 0.3307,
0.5195


 60.4378, 0.3307,
0.5195


426.2096, 0.3286,
0.4233


 43.7716, 0.3288,
0.5426


 105.4645, 0.3317,
0.4850

 30.4910, 0.3251,
0.5712


 134.5938, 0.3316,
0.4718

 20.2116, 0.3179,
0.6070


 168.6462, 0.3312,
0.4607

 12.5489, 0.3042,
0.6521

 208.0062, 0.3308,
0.4511

 7.1187, 0.2820,
0.7180

 253.0582, 0.3303,
0.4427

 3.5364, 0.2284,
0.7716

304.1864, 0.3297,

 1.4178, 0.0000,

0.4355

1.0000

361.7755, 0.3292,
0.4290

■ 0.2298, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4378, 0.3307,
0.5195

■ 60.4378, 0.3307,
0.5195

■ 59.0468, 0.3290,
0.5456

■ 62.1164, 0.3307,
0.4896

■ 57.9167, 0.3257,
0.5662


■ 64.0917, 0.3291,
0.4578


■ 57.0281, 0.3209,
0.5802


■ 66.3816, 0.3264,
0.4258


■ 56.6137, 0.3179,
0.5858


■ 69.0004, 0.3229,
0.3950

 71.9613, 0.3189,
0.3661

 75.2767, 0.3146,
0.3396

 78.9586, 0.3102,
0.3157

 82.5168, 0.3107,
0.3016

 83.4187, 0.3140,
0.3019

Harmonies

Analogous

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



60.4378, 0.4216, 0.4963



60.4378, 0.3307, 0.5195



60.4378, 0.2400, 0.4577

Triad

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



60.4378, 0.3307, 0.5195



60.4378, 0.1540, 0.1960



60.4378, 0.4665, 0.2939

Complementary

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



60.4378, 0.3307, 0.5195



20.6668, 0.2666, 0.1587

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.



60.4378, 0.3689, 0.2363



60.4378, 0.3307, 0.5195



60.4378, 0.1929, 0.1821

Square

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



60.4378, 0.3307, 0.5195



60.4378, 0.1473, 0.2463



60.4378, 0.2665, 0.1969



60.4378, 0.5119, 0.3606

Rectangle

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



60.4378, 0.3307, 0.5195



60.4378, 0.1924, 0.3809



60.4378, 0.2665, 0.1969



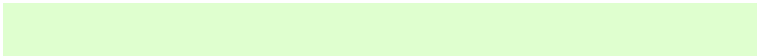
60.4378, 0.4377, 0.2732

Sweetspot

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



60.4404, 0.3307, 0.5195



91.7665, 0.3209, 0.3797



47.9414, 0.4381, 0.4315



19.4078, 0.3220, 0.3881



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.



60.4404, 0.3307, 0.5195



76.3625, 0.3282, 0.5528



57.6671, 0.2943, 0.5096



16.3327, 0.3168, 0.3529



33.0757, 0.3189, 0.5850



2.4945, 0.3302, 0.5760

Inverse Universe

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



20.6668, 0.2666, 0.1587



20.8028, 0.2540, 0.1323



26.6332, 0.3437, 0.2005



14.3501, 0.3082, 0.3054



6.9576, 0.2348, 0.1067



0.5654, 0.2475, 0.1137

Previews

White Background



This preview shows how the Yxy color 60.4378, 0.3307, 0.5195 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 60.4378, 0.3307, 0.5195 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 60.4378, 0.3307, 0.5195

Background



This preview shows how black text looks on a background with the Yxy color 60.4378, 0.3307, 0.5195.



This preview shows how white text looks on a background with the Yxy color 60.4378, 0.3307, 0.5195.

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

60.4378, 0.3307, 0.5195

Protanopia

59.5372, 0.4210, 0.4618

Deuteranopia

59.4219, 0.4386, 0.4287



Tritanopia

59.8120, 0.2647, 0.3080

Trichromacy



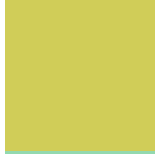
Original Color

60.4378, 0.3307, 0.5195



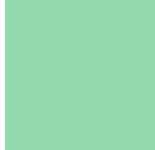
Protanomaly

58.8293, 0.3841, 0.4847



Deuteranomaly

57.7771, 0.3964, 0.4617



Tritanomaly

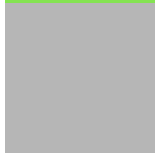
58.9239, 0.2912, 0.3849

Monochromacy



Original Color

60.4378, 0.3307, 0.5195



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.3250, 0.3241, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4378, 0.3307, 0.5195 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(132, 227, 81)` looks like.

```
.text, #text, p{  
    color:rgb(132, 227, 81)  
}
```

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(132, 227, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 227, 81) }
```

Border

The CSS property to change the border of an element to Yxy 60.4378, 0.3307, 0.5195 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(132, 227, 81) }
```

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

```
.border{ border-color:rgb(132, 227, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 227, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 227, 81); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 227, 81); box-shadow:4px 4px 4px 4px rgb(132, 227, 81) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4378, 0.3307, 0.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 227, 81) }
```

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

```
.background{ background-color: rgb(132,  
227, 81) }
```

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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