

Converting Colors

Yxy(58.9725, 0.3286, 0.5334)

Have a look what the booklet for
Yxy(58.9725, 0.3286, 0.5334)
contains.

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Color

Yxy(58.9725, 0.3286, 0.5334)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7AE246 |
| RGB | 122, 226, 70 |
| RGB Percent | 48%, 89%, 27% |
| CMY | 0.5215, 0.1137, 0.7256 |
| CMYK | 0.46, 0.00, 0.69, 0.11 |
| HSL | 100°, 73%, 58% |
| HSV | 100°, 69%, 89% |
| XYZ | 36.3299, 58.9725, 15.2572 |
| YIQ | 177.1200, -11.9080, -70.5640 |

Conversions

Conversions Part 2

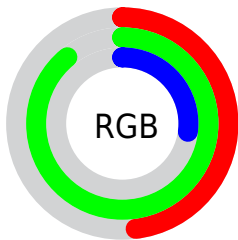
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 70, 226, 174 |
| Decimal | 8053318 |
| CIELab | 81.28, -56.43, 63.84 |
| CIElCh | 81, 85.203, 131.476 |
| Yxy | 58.9725, 0.3286, 0.5334 |
| Android (android.graphics.Color) | 4286243398 (0xFF7AE246) |
| YUV | 177.1200, -52.8102, -48.3402 |
| Hunter-Lab | 76.7936, -49.9430, 41.9758 |

Details

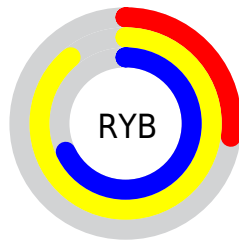
The Yxy color **58.9725, 0.3286, 0.5334** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.8610, 0.2646, 0.1496**, and the grayscale version is **44.3235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8501, 0.3365, 0.4759**, and **29.7101, 0.3195, 0.5845** is the 20% darker color. If you saturate the color by 10%, you get **57.7256, 0.3261, 0.5572**, and if you desaturate by 10%, it is **60.5022, 0.3295, 0.5049**.

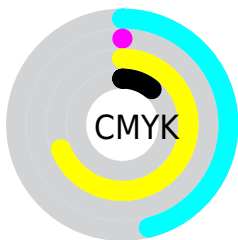
Distribution



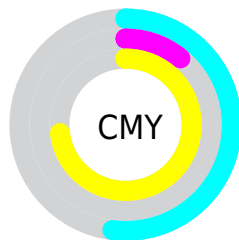
- Red (48%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (68%)



- Cyan (46%)
- Magenta (0%)
- Yellow (69%)
- Black (11%)




- Cyan (52%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9725, 0.3286, 0.5334 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 58.9725, 0.3286, 0.5334 by changing the saturation by 10% instead.


 58.9725, 0.3286,
0.5334


 58.9725, 0.3286,
0.5334


420.8000, 0.3286,
0.4297


 42.5910, 0.3258,
0.5582


 103.3377, 0.3307,
0.4962


 29.5643, 0.3206,
0.5888


 132.0902, 0.3308,
0.4820


 19.5081, 0.3112,
0.6267


 165.7351, 0.3307,
0.4700

 12.0380, 0.2950,
0.6762

 204.6568, 0.3304,
0.4596

 6.7696, 0.2643,
0.7357

 249.2398, 0.3300,
0.4507

 3.3184, 0.2061,
0.7939

299.8684, 0.3296,

 1.3001, 0.0000,

0.4428

1.0000

356.9270, 0.3291,
0.4359

■ 0.1413, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9725, 0.3286,
0.5334

■ 58.9725, 0.3286,
0.5334

■ 57.7256, 0.3261,
0.5572

■ 60.5022, 0.3295,
0.5049

■ 56.7333, 0.3220,
0.5749

■ 62.3251, 0.3288,
0.4735

■ 55.9697, 0.3168,
0.5861


■ 64.4603, 0.3268,
0.4412


■ 55.9055, 0.3164,
0.5870


■ 66.9227, 0.3239,
0.4095

 69.7263, 0.3203,
0.3795

 72.8843, 0.3164,
0.3518

 76.4090, 0.3123,
0.3267

 80.3123, 0.3082,
0.3042

 82.8736, 0.3140,
0.3009

Harmonies

Analogous

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



58.9725, 0.4246, 0.5057



58.9725, 0.3286, 0.5334



58.9725, 0.2335, 0.4668

Triad

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



58.9725, 0.3286, 0.5334



58.9725, 0.1462, 0.1880



58.9725, 0.4778, 0.2916

Complementary

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



58.9725, 0.3286, 0.5334



18.8610, 0.2646, 0.1496

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.



58.9725, 0.3734, 0.2316



58.9725, 0.3286, 0.5334



58.9725, 0.1868, 0.1745

Square

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



58.9725, 0.3286, 0.5334



58.9725, 0.1386, 0.2393



58.9725, 0.2642, 0.1903



58.9725, 0.5245, 0.3607

Rectangle

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



58.9725, 0.3286, 0.5334



58.9725, 0.1841, 0.3827



58.9725, 0.2642, 0.1903



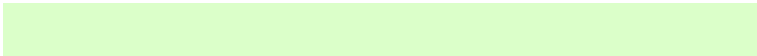
58.9725, 0.4471, 0.2701

Sweetspot

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



58.9750, 0.3286, 0.5334



90.8672, 0.3211, 0.3857



45.8851, 0.4480, 0.4364



19.2259, 0.3221, 0.3939



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.



58.9750, 0.3286, 0.5334



75.2716, 0.3244, 0.5660



56.4918, 0.2940, 0.5236



15.5582, 0.3166, 0.3529



31.9517, 0.3174, 0.5862



2.2625, 0.3293, 0.5767

Inverse Universe

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



18.8610, 0.2646, 0.1496



19.2121, 0.2514, 0.1245



24.8387, 0.3464, 0.1943



13.6947, 0.3085, 0.3055



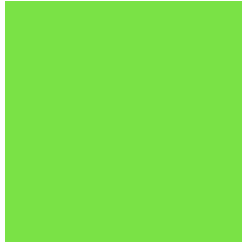
6.9320, 0.2386, 0.1088



0.5288, 0.2515, 0.1159

Previews

White Background



This preview shows how the Yxy color 58.9725, 0.3286, 0.5334 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 58.9725, 0.3286, 0.5334 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 58.9725, 0.3286, 0.5334

Background



This preview shows how black text looks on a background with the Yxy color 58.9725, 0.3286, 0.5334.



This preview shows how white text looks on a background with the Yxy color 58.9725, 0.3286, 0.5334.

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

58.9725, 0.3286, 0.5334

Protanopia

58.1397, 0.4257, 0.4684

Deuteranopia

58.0105, 0.4443, 0.4352



Tritanopia

58.5795, 0.2610, 0.3077

Trichromacy



Original Color

58.9725, 0.3286, 0.5334



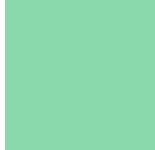
Protanomaly

57.1779, 0.3867, 0.4939



Deuteranomaly

56.4323, 0.3979, 0.4718



Tritanomaly

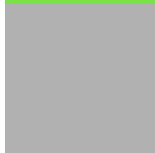
57.5410, 0.2885, 0.3901

Monochromacy



Original Color

58.9725, 0.3286, 0.5334



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.0333, 0.3239, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9725, 0.3286, 0.5334 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(122, 226, 70)` looks like.

```
.text, #text, p{  
    color:rgb(122, 226, 70)  
}
```

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(122, 226, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 226, 70) }
```

Border

The CSS property to change the border of an element to Yxy 58.9725, 0.3286, 0.5334 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(122, 226, 70) }
```

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

```
.border{ border-color:rgb(122, 226, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 226, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 226, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 226, 70);  
box-shadow:4px 4px 4px 4px rgb(122, 226,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9725, 0.3286, 0.5334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 226, 70) }
```

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

```
.background{ background-color: rgb(122,  
226, 70) }
```

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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