

Converting Colors

Yxy(59.8573, 0.3132, 0.5256)

Have a look what the booklet for
Yxy(59.8573, 0.3132, 0.5256)
contains.

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Color

Yxy(59.7587, 0.3134, 0.5260)

Conversions

Conversions Part 1

Format	Color
Hex	6AE555
RGB	106, 229, 85
RGB Percent	42%, 90%, 33%
CMY	0.5842, 0.1020, 0.6668
CMYK	0.54, 0.00, 0.63, 0.10
HSL	111°, 73%, 62%
HSV	111°, 63%, 90%
XYZ	35.6053, 59.7587, 18.2457
YIQ	175.8070, -27.0840, -70.8600

Conversions

Conversions Part 2

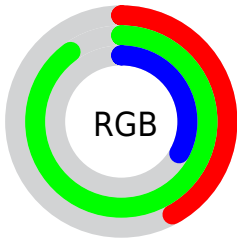
Format	Color
RYB	85, 229, 208
Decimal	7005525
CIELab	81.71, -60.71, 58.20
CIElCh	82, 84.101, 136.213
Yxy	59.7587, 0.3134, 0.5260
Android (android.graphics.Color)	4285195605 (0xFF6AE555)
YUV	175.8070, -44.7679, -61.2207
Hunter-Lab	77.3038, -53.0664, 40.1186

Details

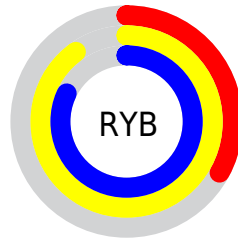
The Yxy color **59.7587, 0.3134, 0.5260** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **25.5504, 0.2977, 0.1754**, and the grayscale version is **43.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5204, 0.3207, 0.4650**, and **29.9370, 0.3035, 0.5813** is the 20% darker color. If you saturate the color by 10%, you get **58.3895, 0.3113, 0.5546**, and if you desaturate by 10%, it is **61.5237, 0.3147, 0.4932**.

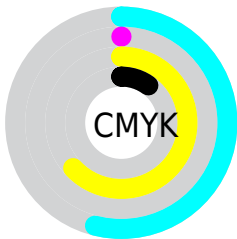
Distribution



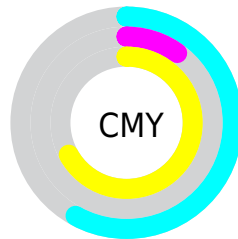
- Red (42%)
- Green (90%)
- Blue (33%)



- Red (33%)
- Yellow (90%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)




- Cyan (58%)
- Magenta (10%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7587, 0.3134, 0.5260 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 59.7587, 0.3134, 0.5260 by changing the saturation by 10% instead.


 59.7587, 0.3134,
0.5260

 59.7587, 0.3134,
0.5260


423.7078, 0.3197,
0.4250


 43.2242, 0.3096,
0.5508


 104.4796, 0.3173,
0.4894

 30.0610, 0.3035,
0.5818


 133.4347, 0.3183,
0.4755

 19.8849, 0.2933,
0.6213


 167.2988, 0.3189,
0.4638

 12.3114, 0.2758,
0.6719

 206.4562, 0.3193,
0.4538

 6.9561, 0.2496,
0.7504

251.2915, 0.3195,
0.4451

 3.4347, 0.1893,
0.8107

302.1889, 0.3197,

 1.3627, 0.0000,

0.4376

1.0000

359.5329, 0.3197,
0.4309

■ 0.1890, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7587, 0.3134,
0.5260

■ 59.7587, 0.3134,
0.5260

■ 58.3895, 0.3113,
0.5546

■ 61.5237, 0.3147,
0.4932

■ 57.3779, 0.3086,
0.5768

■ 63.7043, 0.3154,
0.4587

■ 56.6910, 0.3056,
0.5912


■ 66.3277, 0.3154,
0.4245


■ 56.3708, 0.3036,
0.5971

■ 69.4167, 0.3149,
0.3922

 72.9928, 0.3141,
0.3626

 77.0757, 0.3130,
0.3361

 81.6842, 0.3119,
0.3127

 84.5192, 0.3139,
0.3039

Harmonies

Analogous

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



59.7587, 0.4095, 0.5118



59.7587, 0.3134, 0.5260



59.7587, 0.2220, 0.4460

Triad

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



59.7587, 0.3134, 0.5260



59.7587, 0.1525, 0.1857



59.7587, 0.4871, 0.3028

Complementary

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



59.7587, 0.3134, 0.5260



25.5504, 0.2977, 0.1754

Split Complementary

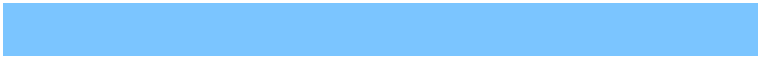
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.7587, 0.3904, 0.2414



59.7587, 0.3134, 0.5260



59.7587, 0.1982, 0.1772

Square

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



59.7587, 0.3134, 0.5260



59.7587, 0.1399, 0.2299



59.7587, 0.2805, 0.1970



59.7587, 0.5217, 0.3723

Rectangle

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



59.7587, 0.3134, 0.5260



59.7587, 0.1770, 0.3617



59.7587, 0.2805, 0.1970



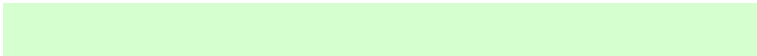
59.7587, 0.4599, 0.2811

Sweetspot

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



59.7612, 0.3134, 0.5260



90.2445, 0.3146, 0.3807



62.1318, 0.4141, 0.4565



19.0454, 0.3149, 0.3894



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.



59.7612, 0.3134, 0.5260



74.1484, 0.3107, 0.5610



59.7293, 0.2813, 0.4645



16.1898, 0.3138, 0.3531



32.2612, 0.3042, 0.5967



2.4158, 0.3121, 0.5904

Inverse Universe

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



25.5504, 0.2977, 0.1754



27.1939, 0.2931, 0.1546



26.3890, 0.3787, 0.2289



14.5028, 0.3115, 0.3057



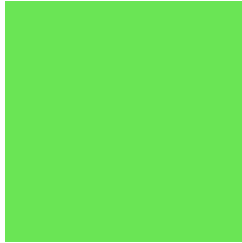
9.9477, 0.2843, 0.1340



0.7644, 0.2900, 0.1371

Previews

White Background



This preview shows how the Yxy color 59.7587, 0.3134, 0.5260 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 59.7587, 0.3134, 0.5260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

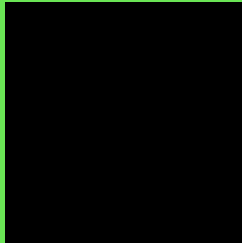
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

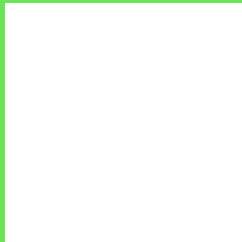
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.7587, 0.3134, 0.5260

Background



This preview shows how black text looks on a background with the Yxy color 59.7587, 0.3134, 0.5260.

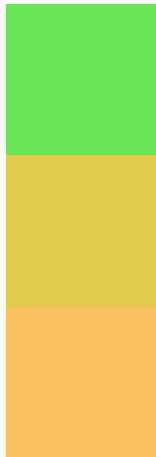


This preview shows how white text looks on a background with the Yxy color 59.7587, 0.3134, 0.5260.

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

59.7587, 0.3134, 0.5260

Protanopia

58.7844, 0.4186, 0.4598

Deuteranopia

58.6835, 0.4352, 0.4254



Tritanopia

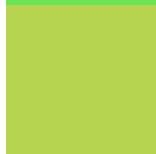
59.1536, 0.2525, 0.3063

Trichromacy



Original Color

59.7587, 0.3134, 0.5260



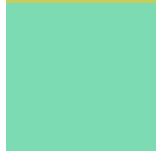
Protanomaly

57.6112, 0.3744, 0.4871



Deuteranomaly

56.3057, 0.3847, 0.4630



Tritanomaly

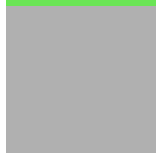
58.2777, 0.2760, 0.3837

Monochromacy



Original Color

59.7587, 0.3134, 0.5260



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.5927, 0.3155, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7587, 0.3134, 0.5260 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(106, 229, 85)` looks like.

```
.text, #text, p{  
    color:rgb(106, 229, 85)  
}
```

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(106, 229, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 229, 85) }
```

Border

The CSS property to change the border of an element to Yxy 59.7587, 0.3134, 0.5260 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(106, 229, 85) }
```

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

```
.border{ border-color:rgb(106, 229, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 229, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 229, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 229, 85);  
box-shadow:4px 4px 4px 4px rgb(106, 229,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7587, 0.3134, 0.5260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 229, 85) }
```

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

```
.background{ background-color: rgb(106,  
229, 85) }
```

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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