

Converting Colors

Yxy(58.3105, 0.3022, 0.5534)

Have a look what the booklet for
Yxy(58.3105, 0.3022, 0.5534)
contains.

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Color

Yxy(58.2885, 0.3022, 0.5535)

Conversions

Conversions Part 1

Format	Color
Hex	45E645
RGB	69, 230, 69
RGB Percent	27%, 90%, 27%
CMY	0.7294, 0.0980, 0.7296
CMYK	0.70, 0.00, 0.70, 0.10
HSL	120°, 76%, 59%
HSV	120°, 70%, 90%
XYZ	31.8244, 58.2885, 15.1961
YIQ	163.5070, -44.2750, -84.2030

Conversions

Conversions Part 2

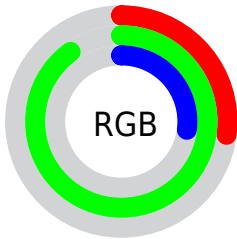
Format	Color
RYB	69, 230, 230
Decimal	4580933
CIELab	80.90, -70.47, 63.33
CIElCh	81, 94.742, 138.057
Yxy	58.2885, 0.3022, 0.5535
Android (android.graphics.Color)	4282771013 (0xFF45E645)
YUV	163.5070, -46.5920, -82.8826
Hunter-Lab	76.3469, -59.2013, 41.6418

Details

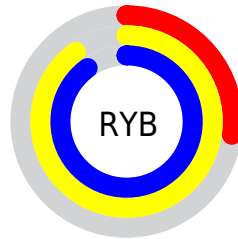
The Yxy color **58.2885, 0.3022, 0.5535** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **26.7806, 0.3199, 0.1747**, and the grayscale version is **37.1188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4039, 0.3117, 0.4893**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.3744, 0.3011, 0.5774**, and if you desaturate by 10%, it is **59.6436, 0.3036, 0.5228**.

Distribution



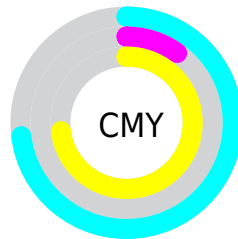
- Red (27%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)




- Cyan (73%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2885, 0.3022, 0.5535 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 58.2885, 0.3022, 0.5535 by changing the saturation by 10% instead.


 58.2885, 0.3022,
0.5535


 58.2885, 0.3022,
0.5535


418.2601, 0.3158,
0.4373


 42.0406, 0.2960,
0.5820


 102.3429, 0.3092,
0.5112


 29.1331, 0.2866,
0.6176


 130.9181, 0.3112,
0.4953

 19.1815, 0.2716,
0.6623


 164.3714, 0.3127,
0.4818

 11.8015, 0.2481,
0.7212

 203.0869, 0.3137,
0.4703

 6.6087, 0.2081,
0.7919

 247.4491, 0.3145,
0.4603

 3.2186, 0.1295,
0.8705

297.8425, 0.3151,

 1.2469, 0.0000,

0.4516

1.0000

354.6513, 0.3155,
0.4440

■ 0.0995, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2885, 0.3022,
0.5535

■ 58.2885, 0.3022,
0.5535

■ 57.3744, 0.3011,
0.5774

■ 59.6436, 0.3036,
0.5228


■ 56.8404, 0.3004,
0.5927

■ 61.4776, 0.3053,
0.4880


■ 56.5968, 0.3000,
0.6000

■ 63.8323, 0.3070,
0.4519


■ 66.7432, 0.3086,
0.4168

 70.2426, 0.3101,
0.3842

 74.3603, 0.3115,
0.3548

 79.1241, 0.3127,
0.3290

 84.5602, 0.3138,
0.3067

 85.0763, 0.3138,
0.3048

Harmonies

Analogous

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



58.2885, 0.4084, 0.5347



58.2885, 0.3022, 0.5535



58.2885, 0.2038, 0.4553

Triad

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



58.2885, 0.3022, 0.5535



58.2885, 0.1391, 0.1691



58.2885, 0.5148, 0.3015

Complementary

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



58.2885, 0.3022, 0.5535



26.7806, 0.3199, 0.1747

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.



58.2885, 0.4077, 0.2351



58.2885, 0.3022, 0.5535



58.2885, 0.1899, 0.1630

Square

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



58.2885, 0.3022, 0.5535



58.2885, 0.1232, 0.2123



58.2885, 0.2824, 0.1861



58.2885, 0.5453, 0.3756

Rectangle

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



58.2885, 0.3022, 0.5535



58.2885, 0.1575, 0.3555



58.2885, 0.2824, 0.1861



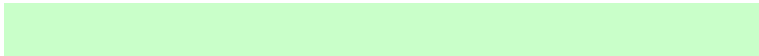
58.2885, 0.4856, 0.2782

Sweetspot

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



58.2909, 0.3022, 0.5535



88.2404, 0.3100, 0.3876



72.3668, 0.4084, 0.4825



18.6129, 0.3096, 0.3964



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.



58.2909, 0.3022, 0.5535



72.1473, 0.3007, 0.5853



59.9603, 0.2704, 0.4503



16.0894, 0.3116, 0.3533



32.0405, 0.3000, 0.6000



2.3677, 0.3000, 0.6000

Inverse Universe

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



26.7806, 0.3199, 0.1747



30.0401, 0.3206, 0.1604



23.3474, 0.4215, 0.2434



14.6150, 0.3138, 0.3059



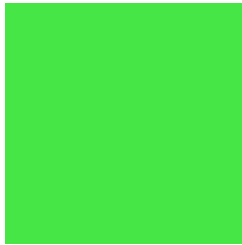
12.7525, 0.3208, 0.1541



0.9424, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 58.2885, 0.3022, 0.5535 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 58.2885, 0.3022, 0.5535 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 58.2885, 0.3022, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 58.2885, 0.3022, 0.5535.



This preview shows how white text looks on a background with the Yxy color 58.2885, 0.3022, 0.5535.

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

58.2885, 0.3022, 0.5535

Protanopia

56.8717, 0.4264, 0.4691

Deuteranopia

56.7939, 0.4437, 0.4336



Tritanopia

57.9378, 0.2420, 0.3070

Trichromacy



Original Color

58.2885, 0.3022, 0.5535



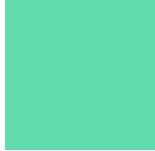
Protanomaly

54.6788, 0.3699, 0.5068



Deuteranomaly

53.6809, 0.3798, 0.4824



Tritanomaly

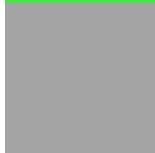
56.7449, 0.2657, 0.3960

Monochromacy



Original Color

58.2885, 0.3022, 0.5535



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.2185, 0.3084, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2885, 0.3022, 0.5535 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(69, 230, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 69)  
}
```

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(69, 230, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 69) }
```

Border

The CSS property to change the border of an element to Yxy 58.2885, 0.3022, 0.5535 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(69, 230, 69) }
```

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

```
.border{ border-color:rgb(69, 230, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2885, 0.3022, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 69) }
```

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

```
.background{ background-color: rgb(69, 230,  
69) }
```

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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