

Converting Colors

$Yxy(66.5783, 0.3249, 0.5730)$

Have a look what the booklet for
Yxy(66.5783, 0.3249, 0.5730)
contains.

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Color

Yxy(66.5821, 0.3250, 0.5731)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 69F21A |
| RGB | 105, 242, 26 |
| RGB Percent | 41%, 95%, 10% |
| CMY | 0.5885, 0.0509, 0.8980 |
| CMYK | 0.57, 0.00, 0.89, 0.05 |
| HSL | 98°, 89%, 53% |
| HSV | 98°, 89%, 95% |
| XYZ | 37.7581, 66.5821, 11.8386 |
| YIQ | 176.4130, -12.3160, -96.2200 |

Conversions

Conversions Part 2

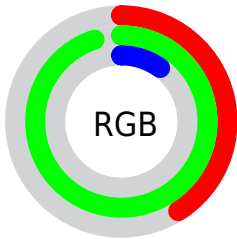
| Format | Color |
|-------------------------------------|--|
| RYB | 26, 242, 163 |
| Decimal | 6943258 |
| CIELab | 85.29, -69.05, 79.18 |
| CIELCh | 85, 105.060, 131.087 |
| Yxy | 66.5821, 0.3250, 0.5731 |
| Android (android.graphics.Color) | 4285133338 (0xFF69F21A) |
| YUV | 176.4130, -74.1536, -62.6292 |
| Hunter-Lab | 81.5979, -60.1982, 48.5164 |

Details

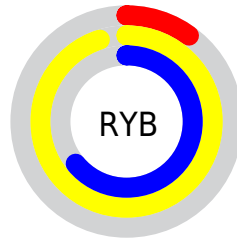
The Yxy color **66.5821, 0.3250, 0.5731** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **14.9475, 0.2393, 0.1135**, and the grayscale version is **44.0361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8369, 0.3407, 0.5069**, and **34.7913, 0.3017, 0.5987** is the 20% darker color. If you saturate the color by 10%, you get **65.6674, 0.3196, 0.5840**, and if you desaturate by 10%, it is **67.7572, 0.3292, 0.5559**.

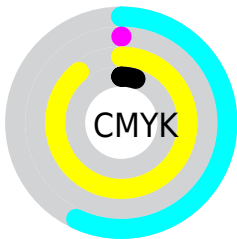
Distribution



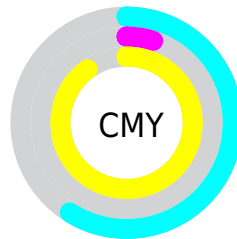
- Red (41%)
- Green (95%)
- Blue (10%)



- Red (10%)
- Yellow (95%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (89%)
- Black (5%)





- Cyan (59%)
- Magenta (5%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5821, 0.3250, 0.5731 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 66.5821, 0.3250, 0.5731 by changing the saturation by 10% instead.


 66.5821, 0.3250,
0.5731


 66.5821, 0.3250,
0.5731


448.4558, 0.3310,
0.4527


 48.7451, 0.3197,
0.6001


 114.3214, 0.3301,
0.5312


 34.4173, 0.3111,
0.6322


 144.9925, 0.3312,
0.5148


 23.2144, 0.2969,
0.6702


 180.7104, 0.3317,
0.5007

 14.7519, 0.2770,
0.7230

 221.8595, 0.3319,
0.4885

 8.6454, 0.2361,
0.7639

 268.8242, 0.3318,
0.4778

 4.5106, 0.1789,
0.8211

 321.9888, 0.3316,

 1.9631, 0.0000,

0.4684

1.0000

381.7379, 0.3313,
0.4601

■ 0.5859, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5821, 0.3250,
0.5731

■ 66.5821, 0.3250,
0.5731

■ 65.6674, 0.3196,
0.5840

■ 67.7572, 0.3292,
0.5559


■ 65.6066, 0.3192,
0.5847


■ 69.2161, 0.3317,
0.5326

■ 70.9848, 0.3323,
0.5046


■ 73.0834, 0.3313,
0.4737

 75.5302, 0.3289,
0.4417

 78.3417, 0.3255,
0.4102

 81.5336, 0.3214,
0.3802

 85.1204, 0.3170,
0.3524

 89.1158, 0.3124,
0.3272

Harmonies

Analogous

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



66.5821, 0.4341, 0.5265



66.5821, 0.3250, 0.5731



66.5821, 0.2183, 0.4985

Triad

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



66.5821, 0.3250, 0.5731



66.5821, 0.1252, 0.1680



66.5821, 0.5060, 0.2818

Complementary

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



66.5821, 0.3250, 0.5731



14.9475, 0.2393, 0.1135

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.



66.5821, 0.3809, 0.2166



66.5821, 0.3250, 0.5731



66.5821, 0.1683, 0.1546

Square

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



66.5821, 0.3250, 0.5731



66.5821, 0.1164, 0.2232



66.5821, 0.2537, 0.1718



66.5821, 0.5581, 0.3562

Rectangle

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



66.5821, 0.3250, 0.5731



66.5821, 0.1637, 0.3933



66.5821, 0.2537, 0.1718



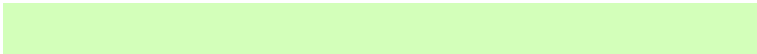
66.5821, 0.4693, 0.2586

Sweetspot

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



66.5849, 0.3250, 0.5731



88.9655, 0.3247, 0.4035



45.0818, 0.4889, 0.4420



18.7933, 0.3260, 0.4140



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.



66.5849, 0.3250, 0.5731



73.8558, 0.3191, 0.5849



64.0051, 0.2959, 0.5762



17.9375, 0.3171, 0.3530



35.3111, 0.3204, 0.5838



2.9920, 0.3305, 0.5758

Inverse Universe

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



14.9475, 0.2393, 0.1135



14.8841, 0.2293, 0.1037



24.4336, 0.3535, 0.1762



15.7260, 0.3079, 0.3053



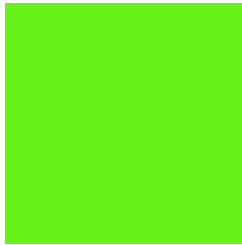
7.1927, 0.2310, 0.1046



0.6545, 0.2428, 0.1111

Previews

White Background



This preview shows how the Yxy color 66.5821, 0.3250, 0.5731 looks on a white background.

Color Contrast Check

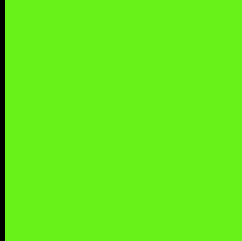
Large Text (above 18pt) WCAG AA × Fail

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 66.5821, 0.3250, 0.5731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

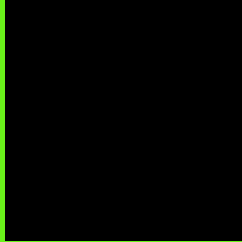
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

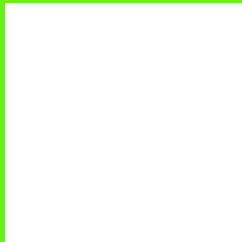
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5821, 0.3250, 0.5731

Background



This preview shows how black text looks on a background with the Yxy color 66.5821, 0.3250, 0.5731.



This preview shows how white text looks on a background with the Yxy color 66.5821, 0.3250, 0.5731.

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

66.5821, 0.3250, 0.5731

Protanopia

65.2907, 0.4393, 0.4872

Deuteranopia

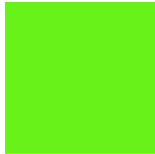
65.1868, 0.4211, 0.4182



Tritanopia

65.9842, 0.2519, 0.3073

Trichromacy



Original Color

66.5821, 0.3250, 0.5731



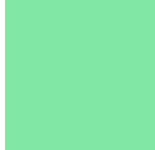
Protanomaly

63.7630, 0.3918, 0.5235



Deuteranomaly

62.5143, 0.3856, 0.4806



Tritanomaly

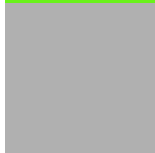
64.4214, 0.2872, 0.4188

Monochromacy



Original Color

66.5821, 0.3250, 0.5731



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.1731, 0.3290, 0.4410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5821, 0.3250, 0.5731 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(105, 242, 26)` looks like.

```
.text, #text, p{  
    color:rgb(105, 242, 26)  
}
```

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(105, 242, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 242, 26) }
```

Border

The CSS property to change the border of an element to Yxy 66.5821, 0.3250, 0.5731 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(105, 242, 26) }
```

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

```
.border{ border-color:rgb(105, 242, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 242, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 242, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 242, 26);  
box-shadow:4px 4px 4px 4px rgb(105, 242,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5821, 0.3250, 0.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 242, 26) }
```

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

```
.background{ background-color: rgb(105,  
242, 26) }
```

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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