

Converting Colors

$Yxy(66.6983, 0.3171, 0.5687)$

Have a look what the booklet for
Yxy(66.6983, 0.3171, 0.5687)
contains.

Yxy(66.6703, 0.3169, 0.5688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.6703, 0.3169, 0.5688)

Conversions

Conversions Part 1

Format	Color
Hex	5EF32D
RGB	94, 243, 45
RGB Percent	37%, 95%, 18%
CMY	0.6312, 0.0471, 0.8233
CMYK	0.61, 0.00, 0.81, 0.05
HSL	105°, 89%, 56%
HSV	105°, 81%, 95%
XYZ	37.1445, 66.6703, 13.3974
YIQ	175.8770, -25.2460, -93.1660

Conversions

Conversions Part 2

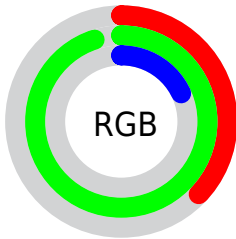
Format	Color
RYB	45, 243, 194
Decimal	6222637
CIELab	85.34, -71.24, 75.24
CIELCh	85, 103.619, 133.435
Yxy	66.6703, 0.3169, 0.5688
Android (android.graphics.Color)	4284412717 (0xFF5EF32D)
YUV	175.8770, -64.5224, -71.8061
Hunter-Lab	81.6519, -61.6887, 47.4281

Details

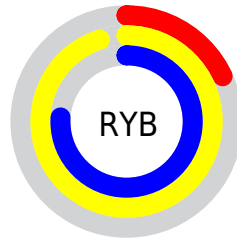
The Yxy color **66.6703, 0.3169, 0.5688** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **19.8208, 0.2701, 0.1360**, and the grayscale version is **43.7118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0763, 0.3312, 0.5008**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.6811, 0.3128, 0.5846**, and if you desaturate by 10%, it is **68.0017, 0.3200, 0.5459**.

Distribution



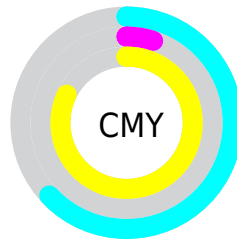
- Red (37%)
- Green (95%)
- Blue (18%)



- Red (18%)
- Yellow (95%)
- Blue (76%)



- Cyan (61%)
- Magenta (0%)
- Yellow (81%)
- Black (5%)




- Cyan (63%)
- Magenta (5%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6703, 0.3169, 0.5688 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 66.6703, 0.3169, 0.5688 by changing the saturation by 10% instead.


 66.6703, 0.3169,
0.5688


 66.6703, 0.3169,
0.5688


448.7703, 0.3257,
0.4493

 48.8167, 0.3114,
0.5962

 114.4479, 0.3227,
0.5267

 34.4741, 0.3026,
0.6292


 145.1406, 0.3241,
0.5105

 23.2581, 0.2884,
0.6690

 180.8820, 0.3250,
0.4965

 14.7842, 0.2677,
0.7223


 222.0562, 0.3255,
0.4844

 8.6681, 0.2286,
0.7714

 269.0478, 0.3257,
0.4739

 4.5253, 0.1705,
0.8295

322.2410, 0.3258,

 1.9715, 0.0000,

0.4647

1.0000

382.0204, 0.3258,
0.4566

■ 0.5909, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6703, 0.3169,
0.5688

■ 66.6703, 0.3169,
0.5688

■ 65.6811, 0.3128,
0.5846


■ 68.0017, 0.3200,
0.5459


■ 65.0664, 0.3091,
0.5928


■ 69.6977, 0.3218,
0.5173


■ 71.7882, 0.3224,
0.4852


■ 74.2974, 0.3218,
0.4518

 77.2475, 0.3204,
0.4187

 80.6590, 0.3183,
0.3874

 84.5512, 0.3158,
0.3586

 88.9421, 0.3131,
0.3326

 92.5811, 0.3133,
0.3175

Harmonies

Analogous

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



66.6703, 0.4255, 0.5307



66.6703, 0.3169, 0.5688



66.6703, 0.2125, 0.4847

Triad

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



66.6703, 0.3169, 0.5688



66.6703, 0.1290, 0.1675



66.6703, 0.5107, 0.2882

Complementary

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



66.6703, 0.3169, 0.5688



19.8208, 0.2701, 0.1360

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.



66.6703, 0.3908, 0.2224



66.6703, 0.3169, 0.5688



66.6703, 0.1748, 0.1566

Square

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



66.6703, 0.3169, 0.5688



66.6703, 0.1178, 0.2185



66.6703, 0.2631, 0.1759



66.6703, 0.5553, 0.3627

Rectangle

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



66.6703, 0.3169, 0.5688



66.6703, 0.1606, 0.3800



66.6703, 0.2631, 0.1759



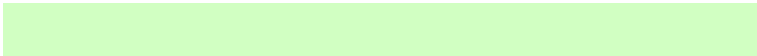
66.6703, 0.4763, 0.2649

Sweetspot

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



66.6731, 0.3169, 0.5688



88.9539, 0.3189, 0.3953



57.6111, 0.4535, 0.4614



18.7464, 0.3196, 0.4065



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.



66.6731, 0.3169, 0.5688



72.7230, 0.3098, 0.5913



65.4779, 0.2880, 0.5360



18.6701, 0.3153, 0.3532



35.7637, 0.3099, 0.5921



3.1896, 0.3185, 0.5853

Inverse Universe

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



19.8208, 0.2701, 0.1360



18.6867, 0.2591, 0.1206



24.8082, 0.3794, 0.1978



16.5497, 0.3098, 0.3054



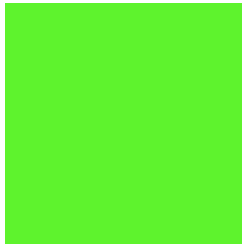
9.1332, 0.2589, 0.1200



0.8505, 0.2670, 0.1245

Previews

White Background



This preview shows how the Yxy color 66.6703, 0.3169, 0.5688 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 66.6703, 0.3169, 0.5688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

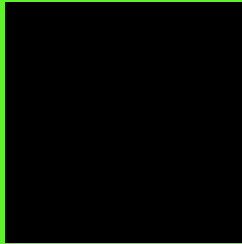
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

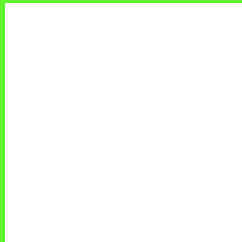
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6703, 0.3169, 0.5688

Background



This preview shows how black text looks on a background with the Yxy color 66.6703, 0.3169, 0.5688.

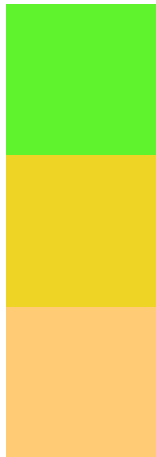


This preview shows how white text looks on a background with the Yxy color 66.6703, 0.3169, 0.5688.

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

66.6703, 0.3169, 0.5688

Protanopia

65.3977, 0.4355, 0.4816

Deuteranopia

65.2328, 0.4198, 0.4165



Tritanopia

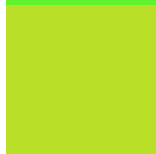
65.9927, 0.2483, 0.3071

Trichromacy



Original Color

66.6703, 0.3169, 0.5688



Protanomaly

63.3677, 0.3849, 0.5188



Deuteranomaly

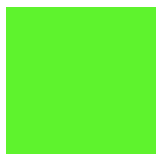
62.6168, 0.3780, 0.4764



Tritanomaly

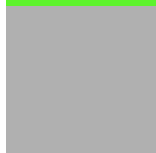
64.6137, 0.2784, 0.4097

Monochromacy



Original Color

66.6703, 0.3169, 0.5688



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.9781, 0.3212, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6703, 0.3169, 0.5688 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(94, 243, 45)` looks like.

```
.text, #text, p{  
    color:rgb(94, 243, 45)  
}
```

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(94, 243, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 243, 45) }
```

Border

The CSS property to change the border of an element to Yxy 66.6703, 0.3169, 0.5688 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(94, 243, 45) }
```

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

```
.border{ border-color:rgb(94, 243, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 243, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 243, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 243, 45);  
box-shadow:4px 4px 4px 4px rgb(94, 243,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6703, 0.3169, 0.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 243, 45) }
```

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

```
.background{ background-color: rgb(94, 243,  
45) }
```

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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