

Converting Colors

$Y_{xy}(59.9687, 0.1945, 0.4795)$

Have a look what the booklet for
Yxy(59.9687, 0.1945, 0.4795)
contains.

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Color

Yxy(67.0345, 0.2603, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	01F49A
RGB	1, 244, 154
RGB Percent	0%, 96%, 60%
CMY	0.9966, 0.0432, 0.3961
CMYK	1.00, 0.00, 0.37, 0.04
HSL	158°, 99%, 48%
HSV	158°, 100%, 96%
XYZ	38.1902, 67.0345, 41.4913
YIQ	161.0830, -115.9380, -79.5060

Conversions

Conversions Part 2

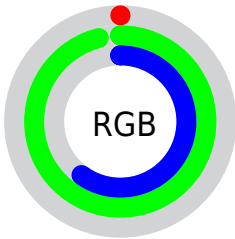
Format	Color
RYB	1, 150, 244
Decimal	128154
CIELab	85.52, -68.64, 30.04
CIELCh	86, 74.922, 156.363
Yxy	67.0345, 0.2603, 0.4569
Android (android.graphics.Color)	4278318234 (0xFF01F49A)
YUV	161.0830, -3.4919, -140.3928
Hunter-Lab	81.8746, -60.0198, 27.2661

Details

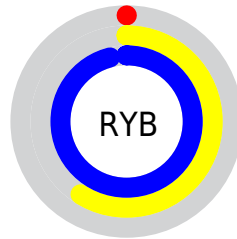
The Yxy color **67.0345, 0.2603, 0.4569** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.0040, 0.5531, 0.2823**, and the grayscale version is **35.7151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6342, 0.2618, 0.3855**, and **36.0771, 0.2678, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **67.0211, 0.2604, 0.4574**, and if you desaturate by 10%, it is **67.5540, 0.2581, 0.4428**.

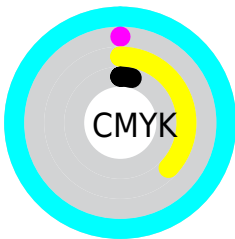
Distribution



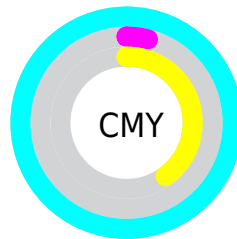
- Red (0%)
- Green (96%)
- Blue (60%)



- Red (0%)
- Yellow (59%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0345, 0.2603, 0.4569 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 67.0345, 0.2603, 0.4569 by changing the saturation by 10% instead.


 67.0345, 0.2603,
0.4569


 67.0345, 0.2603,
0.4569


450.0676, 0.2872,
0.3921


 49.1127, 0.2534,
0.4731


 114.9698, 0.2702,
0.4333


 34.7089, 0.2446,
0.4939


 145.7521, 0.2739,
0.4244


 23.4387, 0.2328,
0.5215


 181.5901, 0.2770,
0.4169

 14.9178, 0.2164,
0.5593

 222.8680, 0.2796,
0.4105

 8.7617, 0.1924,
0.6138

 269.9703, 0.2819,
0.4050

 4.5861, 0.1551,
0.6966


323.2814, 0.2839,


 2.0065, 0.0000,

0.4001


1.0000


383.1857, 0.2857,
0.3959

 0.6112, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 67.0345, 0.2603,
0.4569


 67.0345, 0.2603,
0.4569

 67.0211, 0.2604,
0.4574

 67.5540, 0.2581,
0.4428

 68.3490, 0.2576,
0.4284

 69.4967, 0.2592,
0.4139

 71.0439, 0.2629,
0.3995

■ 73.0298, 0.2683,
0.3856

■ 75.4887, 0.2754,
0.3723

■ 78.4516, 0.2837,
0.3599

■ 81.9467, 0.2930,
0.3485

■ 86.0000, 0.3028,
0.3381

Harmonies

Analogous

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



67.0345, 0.3454, 0.5010



67.0345, 0.2603, 0.4569



67.0345, 0.1944, 0.3579

Triad

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



67.0345, 0.2603, 0.4569



67.0345, 0.1949, 0.1938



67.0345, 0.4909, 0.3505

Complementary

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



67.0345, 0.2603, 0.4569



20.0040, 0.5531, 0.2823

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.



67.0345, 0.4396, 0.2887



67.0345, 0.2603, 0.4569



67.0345, 0.2583, 0.2033

Square

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



67.0345, 0.2603, 0.4569



67.0345, 0.1632, 0.2125



67.0345, 0.3485, 0.2368



67.0345, 0.4824, 0.4159

Rectangle

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



67.0345, 0.2603, 0.4569



67.0345, 0.1690, 0.2931



67.0345, 0.3485, 0.2368



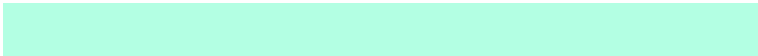
67.0345, 0.4802, 0.3293

Sweetspot

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



67.0372, 0.2603, 0.4569



86.5726, 0.2833, 0.3604



67.0837, 0.3213, 0.5829



18.2211, 0.2797, 0.3656



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

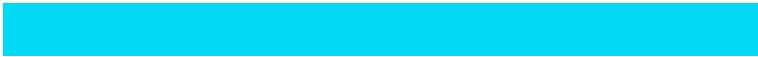
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0372, 0.2603, 0.4569



74.0791, 0.2605, 0.4577



55.4592, 0.2143, 0.2913



18.6477, 0.3030, 0.3379



36.4710, 0.2598, 0.4551



3.2253, 0.2549, 0.4374

Inverse Universe

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



20.0040, 0.5531, 0.2823



22.0754, 0.5547, 0.2830



20.1240, 0.6314, 0.3365



16.5840, 0.3235, 0.3203



10.8865, 0.5499, 0.2803



0.9760, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 67.0345, 0.2603, 0.4569 looks on a white background.

Color Contrast Check

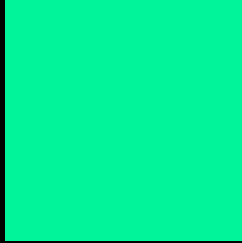
Large Text (above 18pt) WCAG AA × Fail

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 67.0345, 0.2603, 0.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

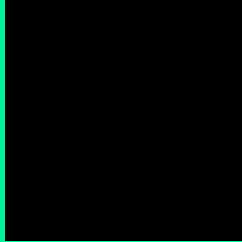
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

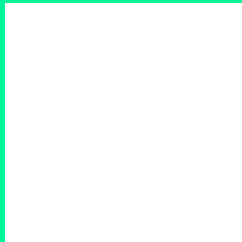
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0345, 0.2603, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 67.0345, 0.2603, 0.4569.



This preview shows how white text looks on a background with the Yxy color 67.0345, 0.2603, 0.4569.

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

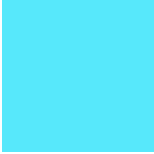
67.0409, 0.2603, 0.4569

Protanopia

65.8330, 0.3776, 0.4076

Deuteranopia

65.3127, 0.3794, 0.3717



Tritanopia

66.7045, 0.2299, 0.3054

Trichromacy



Original Color

67.0409, 0.2603, 0.4569



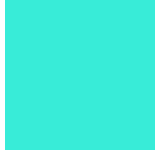
Protanomaly

61.5897, 0.3085, 0.4330



Deuteranomaly

59.9500, 0.3078, 0.4053



Tritanomaly

65.7895, 0.2378, 0.3553

Monochromacy



Original Color

67.0409, 0.2603, 0.4569



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.6138, 0.2714, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0345, 0.2603, 0.4569 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(1, 244, 154)` looks like.

```
.text, #text, p{  
    color:rgb(1, 244, 154)  
}
```

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(1, 244, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 244, 154) }
```

Border

The CSS property to change the border of an element to Yxy 67.0345, 0.2603, 0.4569 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(1, 244, 154) }
```

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

```
.border{ border-color:rgb(1, 244, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 244, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 244, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 244, 154);  
box-shadow:4px 4px 4px 4px rgb(1, 244,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0345, 0.2603, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 244, 154) }
```

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

```
.background{ background-color: rgb(1, 244,  
154) }
```

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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