

Converting Colors

Yxy(66.8355, 0.3051, 0.4903)

Have a look what the booklet for
Yxy(66.8355, 0.3051, 0.4903)
contains.

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Color

Yxy(66.8926, 0.3051, 0.4906)

Conversions

Conversions Part 1

Format	Color
Hex	76EF76
RGB	118, 239, 118
RGB Percent	46%, 94%, 46%
CMY	0.5375, 0.0627, 0.5373
CMYK	0.51, 0.00, 0.51, 0.06
HSL	120°, 79%, 70%
HSV	120°, 51%, 94%
XYZ	41.5999, 66.8926, 27.8560
YIQ	189.0270, -33.2750, -63.2830

Conversions

Conversions Part 2

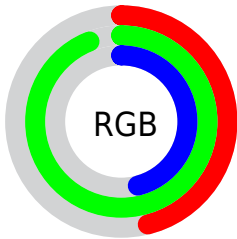
Format	Color
RYB	118, 239, 239
Decimal	7794550
CIELab	85.45, -57.66, 47.95
CIElCh	85, 74.990, 140.253
Yxy	66.8926, 0.3051, 0.4906
Android (android.graphics.Color)	4285984630 (0xFF76EF76)
YUV	189.0270, -35.0163, -62.2907
Hunter-Lab	81.7879, -52.3380, 37.0580

Details

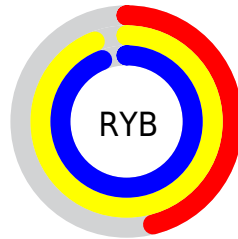
The Yxy color **66.8926, 0.3051, 0.4906** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.5216, 0.3185, 0.2073**, and the grayscale version is **51.1145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8457, 0.3111, 0.4253**, and **34.6335, 0.2973, 0.5354** is the 20% darker color. If you saturate the color by 10%, you get **64.9322, 0.3035, 0.5253**, and if you desaturate by 10%, it is **69.4262, 0.3068, 0.4544**.

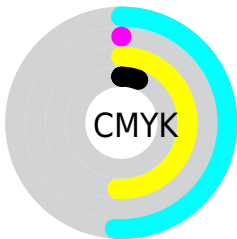
Distribution



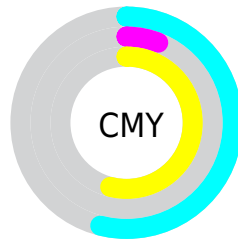
- Red (46%)
- Green (94%)
- Blue (46%)



- Red (46%)
- Yellow (94%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)





- Cyan (54%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8926, 0.3051, 0.4906 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 66.8926, 0.3051, 0.4906 by changing the saturation by 10% instead.


 66.8926, 0.3051,
0.4906


 66.8926, 0.3051,
0.4906


449.5624, 0.3128,
0.4090


 48.9974, 0.3020,
0.5106

 114.7665, 0.3088,
0.4611

 34.6174, 0.2974,
0.5359


 145.5140, 0.3099,
0.4499

 23.3683, 0.2902,
0.5687


 181.3143, 0.3108,
0.4405

 14.8657, 0.2786,
0.6121

222.5518, 0.3114,
0.4324

 8.7252, 0.2584,
0.6708

269.6110, 0.3119,
0.4254

 4.5624, 0.2280,
0.7720


322.8762, 0.3123,

 1.9929, 0.0987,


0.4193


0.9013


382.7319, 0.3126,
0.4138


 0.6033, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.8926, 0.3051,
0.4906


 66.8926, 0.3051,
0.4906


 64.9322, 0.3035,
0.5253


 69.4262, 0.3068,
0.4544


 63.4928, 0.3021,
0.5556

 72.5637, 0.3085,
0.4191


 62.5270, 0.3010,
0.5789


 76.3436, 0.3100,
0.3863

 61.9750, 0.3003,
0.5935

 80.7989, 0.3114,
0.3567

 61.7413, 0.3000,
0.6000

 85.9603, 0.3126,
0.3306

 90.2211, 0.3134,
0.3136

Harmonies

Analogous

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



66.8926, 0.3909, 0.4942



66.8926, 0.3051, 0.4906



66.8926, 0.2259, 0.4143

Triad

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



66.8926, 0.3051, 0.4906



66.8926, 0.1739, 0.1998



66.8926, 0.4707, 0.3165

Complementary

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



66.8926, 0.3051, 0.4906



37.5216, 0.3185, 0.2073

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.



66.8926, 0.3932, 0.2589



66.8926, 0.3051, 0.4906



66.8926, 0.2202, 0.1949

Square

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



66.8926, 0.3051, 0.4906



66.8926, 0.1586, 0.2364



66.8926, 0.2976, 0.2160



66.8926, 0.4944, 0.3807

Rectangle

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



66.8926, 0.3051, 0.4906



66.8926, 0.1880, 0.3444



66.8926, 0.2976, 0.2160



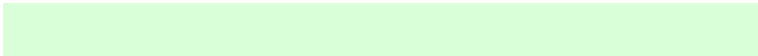
66.8926, 0.4495, 0.2963

Sweetspot

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



66.8954, 0.3051, 0.4906



91.2313, 0.3108, 0.3692



81.4004, 0.3868, 0.4515



19.2953, 0.3105, 0.3755



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.



66.8954, 0.3051, 0.4906



75.1092, 0.3034, 0.5271



68.8208, 0.2756, 0.4086



17.6566, 0.3116, 0.3534



34.1153, 0.3000, 0.6000



2.8381, 0.3000, 0.5999

Inverse Universe

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



37.5216, 0.3185, 0.2073



37.4836, 0.3194, 0.1877



34.5261, 0.3827, 0.2634



16.0313, 0.3138, 0.3058



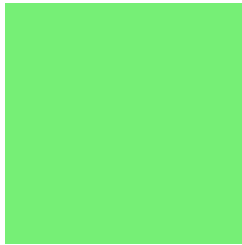
13.5806, 0.3211, 0.1542



1.1298, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 66.8926, 0.3051, 0.4906 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 66.8926, 0.3051, 0.4906 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 66.8926, 0.3051, 0.4906

Background



This preview shows how black text looks on a background with the Yxy color 66.8926, 0.3051, 0.4906.



This preview shows how white text looks on a background with the Yxy color 66.8926, 0.3051, 0.4906.

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

66.8926, 0.3051, 0.4906

Protanopia

65.6835, 0.4019, 0.4382

Deuteranopia

65.6653, 0.4079, 0.4008



Tritanopia

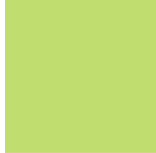
66.3412, 0.2538, 0.3074

Trichromacy



Original Color

66.8926, 0.3051, 0.4906



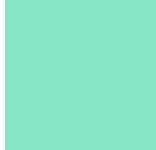
Protanomaly

64.6189, 0.3614, 0.4598



Deuteranomaly

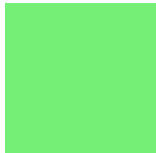
63.6494, 0.3644, 0.4325



Tritanomaly

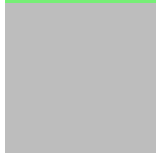
65.8217, 0.2726, 0.3700

Monochromacy



Original Color

66.8926, 0.3051, 0.4906



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.0565, 0.3100, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8926, 0.3051, 0.4906 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(118, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 239, 118)  
}
```

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(118, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 239, 118) }
```

Border

The CSS property to change the border of an element to Yxy 66.8926, 0.3051, 0.4906 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(118, 239, 118) }
```

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

```
.border{ border-color:rgb(118, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 239, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 239, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 239,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8926, 0.3051, 0.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 239, 118) }
```

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

```
.background{ background-color: rgb(118,  
239, 118) }
```

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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