

Converting Colors

$Yxy(68.7418, 0.2918, 0.4776)$

Have a look what the booklet for
Yxy(68.7418, 0.2918, 0.4776)
contains.

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Color

Yxy(68.7377, 0.2917, 0.4774)

Conversions

Conversions Part 1

Format	Color
Hex	68F385
RGB	104, 243, 133
RGB Percent	41%, 95%, 52%
CMY	0.5919, 0.0471, 0.4784
CMYK	0.57, 0.00, 0.45, 0.05
HSL	132°, 85%, 68%
HSV	132°, 57%, 95%
XYZ	42.0000, 68.7377, 33.2458
YIQ	188.8990, -47.5340, -63.6780

Conversions

Conversions Part 2

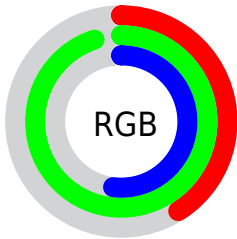
Format	Color
RYB	104, 219, 243
Decimal	6878085
CIELab	86.37, -60.43, 41.83
CIELCh	86, 73.495, 145.308
Yxy	68.7377, 0.2917, 0.4774
Android (android.graphics.Color)	4285068165 (0xFF68F385)
YUV	188.8990, -27.5582, -74.4564
Hunter-Lab	82.9082, -54.6641, 34.2607

Details

The Yxy color **68.7377, 0.2917, 0.4774** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.8290, 0.3483, 0.2179**, and the grayscale version is **51.0219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1502, 0.2959, 0.4077**, and **35.9588, 0.2822, 0.5198** is the 20% darker color. If you saturate the color by 10%, you get **67.0046, 0.2903, 0.5071**, and if you desaturate by 10%, it is **70.9928, 0.2942, 0.4472**.

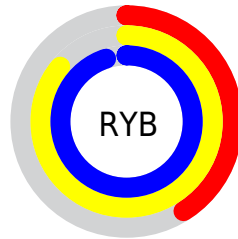
Distribution



Red (41%)

Green (95%)

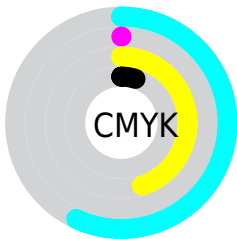
Blue (52%)



Red (41%)

Yellow (86%)

Blue (95%)

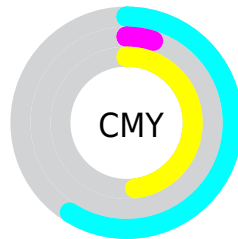


Cyan (57%)

Magenta (0%)

Yellow (45%)

Black (5%)



Cyan (59%)


Magenta (5%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7377, 0.2917, 0.4774 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 68.7377, 0.2917, 0.4774 by changing the saturation by 10% instead.


 68.7377, 0.2917,
0.4774

 68.7377, 0.2917,
0.4774


456.1053, 0.3049,
0.4026


 50.4981, 0.2877,
0.4959

 117.4069, 0.2971,
0.4503

 35.8093, 0.2821,
0.5194


 148.6052, 0.2989,
0.4400

 24.2870, 0.2740,
0.5500


 184.8920, 0.3004,
0.4314

 15.5466, 0.2618,
0.5913

226.6515, 0.3017,
0.4240

 9.2039, 0.2421,
0.6487

274.2682, 0.3027,
0.4175

 4.8744, 0.2130,
0.7479

328.1265, 0.3035,

 2.1738, 0.1023,

0.4119

0.8977

388.6107, 0.3043,
0.4070

0.7056, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7377, 0.2917,
0.4774

68.7377, 0.2917,
0.4774

67.0046, 0.2903,
0.5071

70.9928, 0.2942,
0.4472

65.7426, 0.2903,
0.5347

73.7990, 0.2975,
0.4180

64.9052, 0.2916,
0.5583


77.1931, 0.3013,
0.3906

64.4296, 0.2940,
0.5766

81.2064, 0.3055,
0.3656

 64.3347, 0.2947,
0.5809

 85.8681, 0.3097,
0.3433

 91.2052, 0.3139,
0.3237

 92.5792, 0.3133,
0.3175

Harmonies

Analogous

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



68.7377, 0.3760, 0.4937



68.7377, 0.2917, 0.4774



68.7377, 0.2177, 0.3948

Triad

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



68.7377, 0.2917, 0.4774



68.7377, 0.1825, 0.2001



68.7377, 0.4743, 0.3276

Complementary

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



68.7377, 0.2917, 0.4774



33.8290, 0.3483, 0.2179

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.



68.7377, 0.4061, 0.2695



68.7377, 0.2917, 0.4774



68.7377, 0.2333, 0.1997

Square

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



68.7377, 0.2917, 0.4774



68.7377, 0.1625, 0.2305



68.7377, 0.3134, 0.2243



68.7377, 0.4878, 0.3911

Rectangle

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



68.7377, 0.2917, 0.4774



68.7377, 0.1842, 0.3278



68.7377, 0.3134, 0.2243



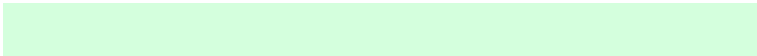
68.7377, 0.4567, 0.3073

Sweetspot

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



68.7405, 0.2917, 0.4774



90.6684, 0.3055, 0.3653



79.5796, 0.3742, 0.4754



19.2011, 0.3047, 0.3702



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.



68.7405, 0.2917, 0.4774



74.4382, 0.2902, 0.5129



71.2791, 0.2595, 0.3826



18.5285, 0.3087, 0.3483



35.3260, 0.2941, 0.5786



3.1191, 0.2879, 0.5565

Inverse Universe

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



33.8290, 0.3483, 0.2179



31.9400, 0.3581, 0.2016



31.0381, 0.4331, 0.2855



16.7057, 0.3170, 0.3105



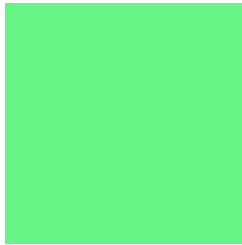
12.5766, 0.3818, 0.1877



1.1199, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 68.7377, 0.2917, 0.4774 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 68.7377, 0.2917, 0.4774 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 68.7377, 0.2917, 0.4774

Background



This preview shows how black text looks on a background with the Yxy color 68.7377, 0.2917, 0.4774.

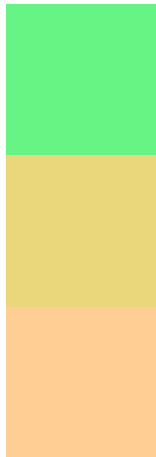


This preview shows how white text looks on a background with the Yxy color 68.7377, 0.2917, 0.4774.

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

68.7377, 0.2917, 0.4774

Protanopia

67.6931, 0.3924, 0.4275

Deuteranopia

67.5407, 0.3954, 0.3890



Tritanopia

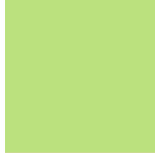
68.4393, 0.2474, 0.3074

Trichromacy



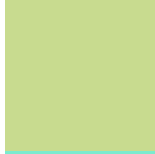
Original Color

68.7377, 0.2917, 0.4774



Protanomaly

65.9475, 0.3479, 0.4477



Deuteranomaly

64.9256, 0.3498, 0.4197



Tritanomaly

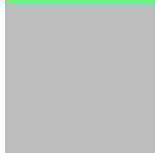
68.0838, 0.2635, 0.3659

Monochromacy



Original Color

68.7377, 0.2917, 0.4774



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.7346, 0.3023, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7377, 0.2917, 0.4774 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(104, 243, 133)` looks like.

```
.text, #text, p{  
    color:rgb(104, 243, 133)  
}
```

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(104, 243, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 243, 133) }
```

Border

The CSS property to change the border of an element to Yxy 68.7377, 0.2917, 0.4774 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(104, 243, 133) }
```

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

```
.border{ border-color:rgb(104, 243, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 243, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 243, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 243, 133);  
box-shadow:4px 4px 4px 4px rgb(104, 243,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7377, 0.2917, 0.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 243, 133) }
```

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

```
.background{ background-color: rgb(104,  
243, 133) }
```

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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