

Converting Colors

Yxy(68.0717, 0.2944, 0.4723)

Have a look what the booklet for
Yxy(68.0717, 0.2944, 0.4723)
contains.

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Color

Yxy(68.0766, 0.2948, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	70F186
RGB	112, 241, 134
RGB Percent	44%, 95%, 53%
CMY	0.5605, 0.0549, 0.4744
CMYK	0.54, 0.00, 0.44, 0.05
HSL	130°, 82%, 69%
HSV	130°, 54%, 95%
XYZ	42.4471, 68.0766, 33.4624
YIQ	190.2310, -42.5370, -60.6250

Conversions

Conversions Part 2

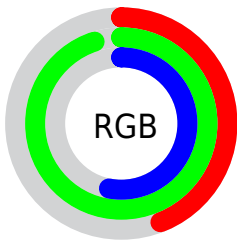
Format	Color
RYB	112, 222, 241
Decimal	7401862
CIELab	86.04, -57.66, 40.97
CIElCh	86, 70.737, 144.605
Yxy	68.0766, 0.2948, 0.4728
Android (android.graphics.Color)	4285591942 (0xFF70F186)
YUV	190.2310, -27.7219, -68.6086
Hunter-Lab	82.5085, -52.5594, 33.7102

Details

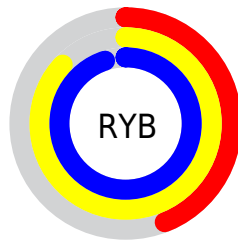
The Yxy color **68.0766, 0.2948, 0.4728** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.4192, 0.3402, 0.2196**, and the grayscale version is **51.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9215, 0.2998, 0.4068**, and **35.4481, 0.2863, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **66.1971, 0.2931, 0.5038**, and if you desaturate by 10%, it is **70.4902, 0.2973, 0.4416**.

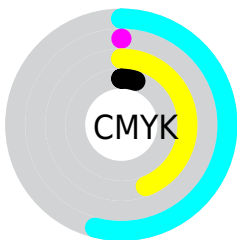
Distribution



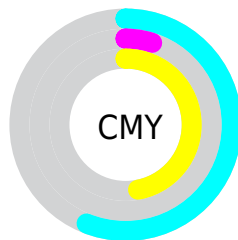
- Red (44%)
- Green (95%)
- Blue (53%)



- Red (44%)
- Yellow (87%)
- Blue (95%)



- Cyan (54%)
- Magenta (0%)
- Yellow (44%)
- Black (5%)




- Cyan (56%)
- Magenta (5%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0766, 0.2948, 0.4728 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 68.0766, 0.2948, 0.4728 by changing the saturation by 10% instead.


 68.0766, 0.2948,
0.4728

 68.0766, 0.2948,
0.4728


453.7674, 0.3064,
0.4003

 49.9601, 0.2912,
0.4907


 116.4617, 0.2996,
0.4465

 35.3817, 0.2861,
0.5135


 147.4991, 0.3012,
0.4366

 23.9570, 0.2788,
0.5432


 183.6122, 0.3025,
0.4282

 15.3017, 0.2675,
0.5833

225.1854, 0.3036,
0.4211

 9.0314, 0.2491,
0.6392

272.6031, 0.3045,
0.4148

 4.7617, 0.2217,
0.7358

326.2498, 0.3052,

 2.1081, 0.1175,

0.4094

0.8825

386.5097, 0.3059,
0.4046

0.6692, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.0766, 0.2948,
0.4728

68.0766, 0.2948,
0.4728

66.1971, 0.2931,
0.5038

70.4902, 0.2973,
0.4416

64.8029, 0.2926,
0.5329


73.4658, 0.3005,
0.4115

63.8500, 0.2932,
0.5579

77.0392, 0.3040,
0.3837

63.2827, 0.2949,
0.5773

81.2409, 0.3077,
0.3585

 63.0692, 0.2963,
0.5866

 86.0991, 0.3114,
0.3362

 91.3242, 0.3140,
0.3165

 91.3888, 0.3133,
0.3156

Harmonies

Analogous

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



68.0766, 0.3766, 0.4878



68.0766, 0.2948, 0.4728



68.0766, 0.2223, 0.3948

Triad

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



68.0766, 0.2948, 0.4728



68.0766, 0.1854, 0.2042



68.0766, 0.4678, 0.3268

Complementary

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



68.0766, 0.2948, 0.4728



35.4192, 0.3402, 0.2196

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.



68.0766, 0.4010, 0.2702



68.0766, 0.2948, 0.4728



68.0766, 0.2343, 0.2030

Square

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



68.0766, 0.2948, 0.4728



68.0766, 0.1665, 0.2349



68.0766, 0.3115, 0.2265



68.0766, 0.4827, 0.3887

Rectangle

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



68.0766, 0.2948, 0.4728



68.0766, 0.1890, 0.3304



68.0766, 0.3115, 0.2265



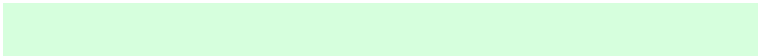
68.0766, 0.4504, 0.3070

Sweetspot

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



68.0794, 0.2948, 0.4728



91.0746, 0.3068, 0.3647



79.2191, 0.3745, 0.4653



19.2781, 0.3060, 0.3698



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.



68.0794, 0.2948, 0.4728



75.1311, 0.2931, 0.5059



70.4358, 0.2638, 0.3843



17.7003, 0.3092, 0.3492



34.2153, 0.2957, 0.5846



2.8590, 0.2897, 0.5629

Inverse Universe

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



35.4192, 0.3402, 0.2196



34.4374, 0.3472, 0.2029



32.6704, 0.4157, 0.2829



15.9825, 0.3164, 0.3096



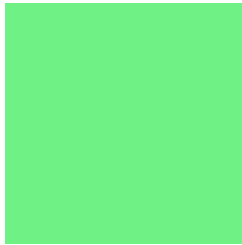
12.4191, 0.3693, 0.1808



1.0452, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 68.0766, 0.2948, 0.4728 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 68.0766, 0.2948, 0.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

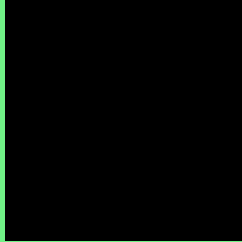
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0766, 0.2948, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 68.0766, 0.2948, 0.4728.



This preview shows how white text looks on a background with the Yxy color 68.0766, 0.2948, 0.4728.

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

68.0766, 0.2948, 0.4728

Protanopia

67.0408, 0.3914, 0.4259

Deuteranopia

66.9670, 0.3981, 0.3910



Tritanopia

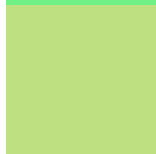
67.6296, 0.2501, 0.3074

Trichromacy



Original Color

68.0766, 0.2948, 0.4728



Protanomaly

65.8170, 0.3499, 0.4447



Deuteranomaly

64.7624, 0.3537, 0.4203



Tritanomaly

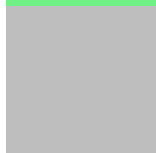
67.3527, 0.2664, 0.3646

Monochromacy



Original Color

68.0766, 0.2948, 0.4728



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.1846, 0.3045, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0766, 0.2948, 0.4728 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(112, 241, 134)` looks like.

```
.text, #text, p{  
    color:rgb(112, 241, 134)  
}
```

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(112, 241, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 241, 134) }
```

Border

The CSS property to change the border of an element to Yxy 68.0766, 0.2948, 0.4728 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(112, 241, 134) }
```

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

```
.border{ border-color:rgb(112, 241, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 241, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 241, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 241, 134);  
box-shadow:4px 4px 4px 4px rgb(112, 241,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0766, 0.2948, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 241, 134) }
```

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

```
.background{ background-color: rgb(112,  
241, 134) }
```

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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