

Converting Colors

$Y_{xy}(67.9871, 0.2916, 0.4782)$

Have a look what the booklet for
Yxy(67.9871, 0.2916, 0.4782)
contains.

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Color

Yxy(68.0538, 0.2916, 0.4781)

Conversions

Conversions Part 1

Format	Color
Hex	67F284
RGB	103, 242, 132
RGB Percent	40%, 95%, 52%
CMY	0.5963, 0.0509, 0.4823
CMYK	0.57, 0.00, 0.45, 0.05
HSL	133°, 84%, 68%
HSV	133°, 57%, 95%
XYZ	41.5070, 68.0538, 32.7814
YIQ	187.8990, -47.5340, -63.6780

Conversions

Conversions Part 2

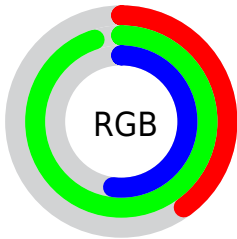
Format	Color
RYB	103, 218, 242
Decimal	6812292
CIELab	86.03, -60.46, 41.87
CIElCh	86, 73.542, 145.293
Yxy	68.0538, 0.2916, 0.4781
Android (android.graphics.Color)	4285002372 (0xFF67F284)
YUV	187.8990, -27.5582, -74.4564
Hunter-Lab	82.4947, -54.5540, 34.1859

Details

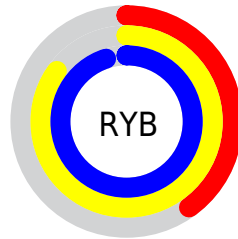
The Yxy color **68.0538, 0.2916, 0.4781** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.3716, 0.3486, 0.2176**, and the grayscale version is **50.4038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9577, 0.2964, 0.4103**, and **35.4967, 0.2821, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **66.3505, 0.2903, 0.5078**, and if you desaturate by 10%, it is **70.2728, 0.2940, 0.4479**.

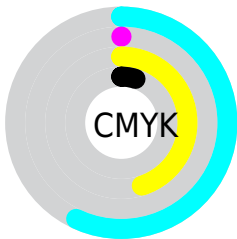
Distribution



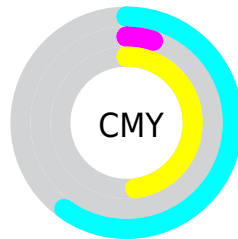
- Red (40%)
- Green (95%)
- Blue (52%)



- Red (40%)
- Yellow (85%)
- Blue (95%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)




- Cyan (60%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0538, 0.2916, 0.4781 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 68.0538, 0.2916, 0.4781 by changing the saturation by 10% instead.

 68.0538, 0.2916,
0.4781

 68.0538, 0.2916,
0.4781

453.6866, 0.3049,
0.4028


 49.9415, 0.2875,
0.4968

 116.4291, 0.2970,
0.4508

 35.3669, 0.2819,
0.5205


 147.4609, 0.2989,
0.4405

 23.9457, 0.2737,
0.5514

 183.5680, 0.3004,
0.4318

 15.2933, 0.2613,
0.5932

225.1348, 0.3016,
0.4243

 9.0255, 0.2412,
0.6512

272.5456, 0.3027,
0.4178

 4.7578, 0.2121,
0.7545

326.1849, 0.3035,

 2.1059, 0.0912,

0.4122

0.9088

386.4371, 0.3043,
0.4072

0.6679, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.0538, 0.2916,
0.4781

68.0538, 0.2916,
0.4781

66.3505, 0.2903,
0.5078

70.2728, 0.2940,
0.4479

65.1124, 0.2903,
0.5352

73.0365, 0.2973,
0.4187

64.2931, 0.2916,
0.5587

76.3814, 0.3012,
0.3913

63.8292, 0.2940,
0.5769

80.3384, 0.3053,
0.3663

 63.7448, 0.2946,
0.5807

 84.9365, 0.3096,
0.3439

 90.2026, 0.3138,
0.3242

 91.9895, 0.3133,
0.3166

Harmonies

Analogous

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



68.0538, 0.3762, 0.4943



68.0538, 0.2916, 0.4781



68.0538, 0.2174, 0.3952

Triad

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



68.0538, 0.2916, 0.4781



68.0538, 0.1821, 0.1997



68.0538, 0.4749, 0.3275

Complementary

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



68.0538, 0.2916, 0.4781



33.3716, 0.3486, 0.2176

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.



68.0538, 0.4064, 0.2692



68.0538, 0.2916, 0.4781



68.0538, 0.2330, 0.1993

Square

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



68.0538, 0.2916, 0.4781



68.0538, 0.1620, 0.2301



68.0538, 0.3133, 0.2240



68.0538, 0.4884, 0.3912

Rectangle

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



68.0538, 0.2916, 0.4781



68.0538, 0.1838, 0.3278



68.0538, 0.3133, 0.2240



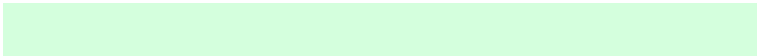
68.0538, 0.4572, 0.3072

Sweetspot

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



68.0566, 0.2916, 0.4781



90.6701, 0.3055, 0.3653



78.8138, 0.3744, 0.4760



19.2015, 0.3046, 0.3701



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.



68.0566, 0.2916, 0.4781



74.4412, 0.2902, 0.5127



70.5741, 0.2594, 0.3829



17.7104, 0.3087, 0.3482



34.2574, 0.2940, 0.5784



2.8639, 0.2875, 0.5549

Inverse Universe

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



33.3716, 0.3486, 0.2176



31.9332, 0.3583, 0.2017



30.6042, 0.4340, 0.2853



15.9715, 0.3170, 0.3105



12.1925, 0.3820, 0.1878



1.0283, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 68.0538, 0.2916, 0.4781 looks on a white background.

Color Contrast Check

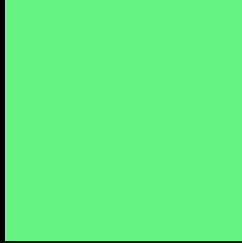
Large Text (above 18pt) WCAG AA × Fail

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 68.0538, 0.2916, 0.4781 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 68.0538, 0.2916, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 68.0538, 0.2916, 0.4781.

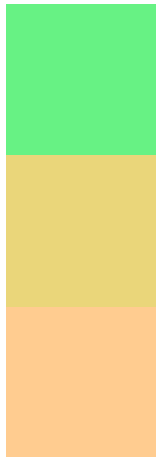


This preview shows how white text looks on a background with the Yxy color 68.0538, 0.2916, 0.4781.

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

68.0538, 0.2916, 0.4781

Protanopia

66.9907, 0.3927, 0.4278

Deuteranopia

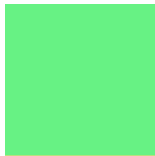
66.4593, 0.3993, 0.3910



Tritanopia

67.7406, 0.2472, 0.3073

Trichromacy



Original Color

68.0538, 0.2916, 0.4781



Protanomaly

65.2568, 0.3480, 0.4482



Deuteranomaly

64.3156, 0.3520, 0.4222



Tritanomaly

67.3910, 0.2633, 0.3661

Monochromacy



Original Color

68.0538, 0.2916, 0.4781



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.1070, 0.3022, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0538, 0.2916, 0.4781 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(103, 242, 132)` looks like.

```
.text, #text, p{  
    color:rgb(103, 242, 132)  
}
```

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(103, 242, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 242, 132) }
```

Border

The CSS property to change the border of an element to Yxy 68.0538, 0.2916, 0.4781 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(103, 242, 132) }
```

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

```
.border{ border-color:rgb(103, 242, 132) }
```

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

Here you see how a box with a 4 pixel rgb(103, 242, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 242, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 242, 132);  
box-shadow:4px 4px 4px 4px rgb(103, 242,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0538, 0.2916, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 242, 132) }
```

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

```
.background{ background-color: rgb(103,  
242, 132) }
```

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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