

Converting Colors

Yxy(67.9871, 0.3020, 0.5173)

Have a look what the booklet for
Yxy(67.9871, 0.3020, 0.5173)
contains.

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Color

Yxy(68.2773, 0.3017, 0.5172)

Conversions

Conversions Part 1

Format	Color
Hex	62F467
RGB	98, 244, 103
RGB Percent	38%, 96%, 40%
CMY	0.6160, 0.0431, 0.5961
CMYK	0.60, 0.00, 0.58, 0.04
HSL	122°, 87%, 67%
HSV	122°, 60%, 96%
XYZ	39.8284, 68.2773, 23.9076
YIQ	184.2720, -41.7550, -74.8030

Conversions

Conversions Part 2

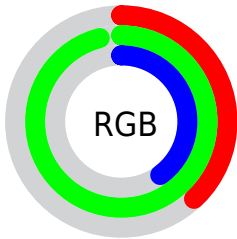
Format	Color
R _Y B	98, 239, 244
Decimal	6485095
CIE Lab	86.14, -66.12, 55.45
CIE LCh	86, 86.298, 140.015
Yxy	68.2773, 0.3017, 0.5172
Android (android.graphics.Color)	4284675175 (0xFF62F467)
YUV	184.2720, -40.0671, -75.6605
Hunter-Lab	82.6301, -58.5641, 40.6865

Details

The Yxy color **68.2773, 0.3017, 0.5172** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.1834, 0.3241, 0.1935**, and the grayscale version is **48.3228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5657, 0.3089, 0.4450**, and **35.3312, 0.2914, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **66.7166, 0.3004, 0.5481**, and if you desaturate by 10%, it is **70.3903, 0.3033, 0.4828**.

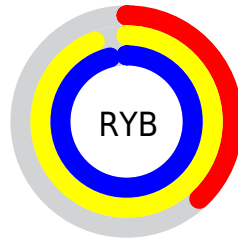
Distribution



Red (38%)

Green (96%)

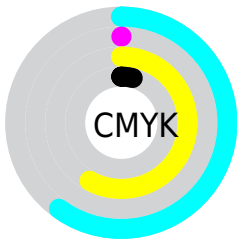
Blue (40%)



Red (38%)

Yellow (94%)

Blue (96%)

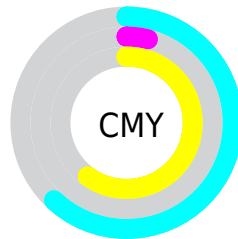


Cyan (60%)

Magenta (0%)

Yellow (58%)

Black (4%)



Cyan (62%)


Magenta (4%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2773, 0.3017, 0.5172 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 68.2773, 0.3017, 0.5172 by changing the saturation by 10% instead.


 68.2773, 0.3017,
0.5172


 68.2773, 0.3017,
0.5172


454.4779, 0.3126,
0.4221


 50.1234, 0.2974,
0.5403


 116.7488, 0.3069,
0.4829


 35.5114, 0.2911,
0.5693


 147.8351, 0.3085,
0.4699

 24.0571, 0.2813,
0.6063


 184.0009, 0.3097,
0.4589

 15.3760, 0.2657,
0.6543

 225.6308, 0.3106,
0.4494

 9.0837, 0.2409,
0.7210

273.1090, 0.3113,
0.4412

 4.7958, 0.1965,
0.8035


326.8200, 0.3118,

 2.1280, 0.0383,

0.4341

0.9617


387.1482, 0.3122,
0.4277


 0.6803, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.2773, 0.3017,
0.5172


 68.2773, 0.3017,
0.5172


 66.7166, 0.3004,
0.5481

 70.3903, 0.3033,
0.4828


 65.6493, 0.2997,
0.5730

 73.0913, 0.3052,
0.4475


 65.0182, 0.2995,
0.5898

 76.4229, 0.3072,
0.4135


 64.7304, 0.2996,
0.5984

 80.4213, 0.3092,
0.3819

 64.7277, 0.2996,
0.5985

 85.1202, 0.3110,
0.3536

 90.5508, 0.3127,
0.3287

 93.1891, 0.3132,
0.3185

Harmonies

Analogous

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



68.2773, 0.3972, 0.5147



68.2773, 0.3017, 0.5172



68.2773, 0.2140, 0.4285

Triad

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



68.2773, 0.3017, 0.5172



68.2773, 0.1585, 0.1850



68.2773, 0.4923, 0.3119

Complementary

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



68.2773, 0.3017, 0.5172



34.1834, 0.3241, 0.1935

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.



68.2773, 0.4030, 0.2497



68.2773, 0.3017, 0.5172



68.2773, 0.2082, 0.1803

Square

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



68.2773, 0.3017, 0.5172



68.2773, 0.1420, 0.2238



68.2773, 0.2939, 0.2032



68.2773, 0.5174, 0.3814

Rectangle

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



68.2773, 0.3017, 0.5172



68.2773, 0.1728, 0.3459



68.2773, 0.2939, 0.2032



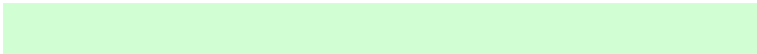
68.2773, 0.4681, 0.2901

Sweetspot

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



68.2801, 0.3017, 0.5172



89.7777, 0.3095, 0.3765



83.9650, 0.3939, 0.4712



18.9146, 0.3090, 0.3852



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.



68.2801, 0.3017, 0.5172



73.4216, 0.3002, 0.5545



70.4291, 0.2693, 0.4196



18.4813, 0.3111, 0.3526



35.1952, 0.2994, 0.5978



3.0965, 0.2979, 0.5923

Inverse Universe

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



34.1834, 0.3241, 0.1935



32.6337, 0.3263, 0.1758



30.7116, 0.4089, 0.2586



16.7578, 0.3143, 0.3065



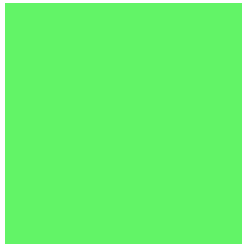
13.7404, 0.3298, 0.1590



1.2107, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 68.2773, 0.3017, 0.5172 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 68.2773, 0.3017, 0.5172 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 68.2773, 0.3017, 0.5172

Background



This preview shows how black text looks on a background with the Yxy color 68.2773, 0.3017, 0.5172.

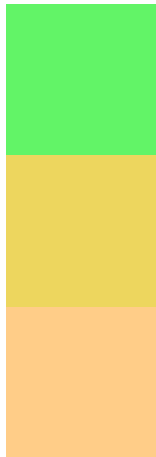


This preview shows how white text looks on a background with the Yxy color 68.2773, 0.3017, 0.5172.

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

68.2773, 0.3017, 0.5172

Protanopia

66.9058, 0.4116, 0.4515

Deuteranopia

66.7002, 0.4047, 0.3998



Tritanopia

67.8025, 0.2467, 0.3062

Trichromacy



Original Color

68.2773, 0.3017, 0.5172



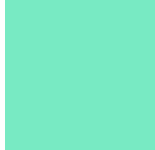
Protanomaly

65.1526, 0.3634, 0.4799



Deuteranomaly

64.1240, 0.3602, 0.4420



Tritanomaly

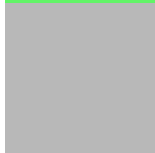
66.7788, 0.2674, 0.3798

Monochromacy



Original Color

68.2773, 0.3017, 0.5172



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.2815, 0.3080, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2773, 0.3017, 0.5172 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(98, 244, 103)` looks like.

```
.text, #text, p{  
    color:rgb(98, 244, 103)  
}
```

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(98, 244, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 244, 103) }
```

Border

The CSS property to change the border of an element to Yxy 68.2773, 0.3017, 0.5172 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(98, 244, 103) }
```

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

```
.border{ border-color:rgb(98, 244, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 244, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 244, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 244, 103);  
box-shadow:4px 4px 4px 4px rgb(98, 244,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2773, 0.3017, 0.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 244, 103) }
```

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

```
.background{ background-color: rgb(98, 244,  
103) }
```

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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