

Converting Colors

$Yxy(66.7111, 0.2821, 0.5001)$

Have a look what the booklet for
Yxy(66.7111, 0.2821, 0.5001)
contains.

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Color

Yxy(66.5384, 0.2823, 0.5001)

Conversions

Conversions Part 1

Format	Color
Hex	3FF379
RGB	63, 243, 121
RGB Percent	25%, 95%, 47%
CMY	0.7522, 0.0471, 0.5255
CMYK	0.74, 0.00, 0.50, 0.05
HSL	139°, 88%, 60%
HSV	139°, 74%, 95%
XYZ	37.5601, 66.5384, 28.9517
YIQ	175.2720, -68.1180, -76.1020

Conversions

Conversions Part 2

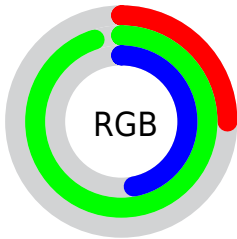
Format	Color
R _{YB}	63, 199, 243
Decimal	4191097
CIE Lab	85.27, -69.59, 46.00
CIE LCh	85, 83.421, 146.539
Yxy	66.5384, 0.2823, 0.5001
Android (android.graphics.Color)	4282381177 (0xFF3FF379)
YUV	175.2720, -26.7561, -98.4625
Hunter-Lab	81.5711, -60.5576, 36.0562

Details

The Yxy color **66.5384, 0.2823, 0.5001** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **26.1392, 0.3889, 0.2139**, and the grayscale version is **43.2136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7660, 0.2870, 0.4280**, and **35.1276, 0.2835, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **65.5369, 0.2833, 0.5245**, and if you desaturate by 10%, it is **67.9675, 0.2830, 0.4741**.

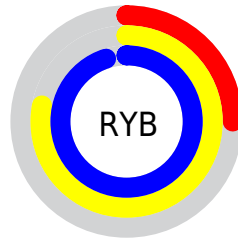
Distribution



Red (25%)

Green (95%)

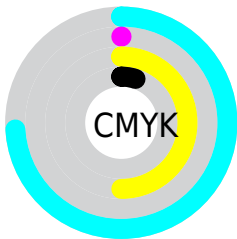
Blue (47%)



Red (25%)

Yellow (78%)

Blue (95%)

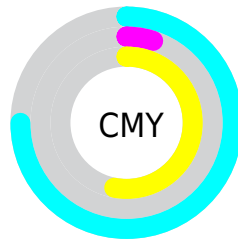


Cyan (74%)

Magenta (0%)

Yellow (50%)

Black (5%)



Cyan (75%)

Magenta (5%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5384, 0.2823, 0.5001 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 66.5384, 0.2823, 0.5001 by changing the saturation by 10% instead.


 66.5384, 0.2823,
0.5001


 66.5384, 0.2823,
0.5001


448.2999, 0.3010,
0.4127


 48.7096, 0.2766,
0.5219


 114.2587, 0.2899,
0.4682


 34.3892, 0.2689,
0.5497


 144.9191, 0.2925,
0.4562

 23.1927, 0.2577,
0.5860


 180.6253, 0.2946,
0.4461

 14.7359, 0.2410,
0.6347

 221.7620, 0.2964,
0.4375

 8.6342, 0.2143,
0.7014

268.7133, 0.2978,
0.4300

 4.5034, 0.1766,
0.8234

321.8639, 0.2991,

 1.9589, 0.0000,

0.4235

1.0000

381.5979, 0.3001,
0.4177

■ 0.5835, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5384, 0.2823,
0.5001

■ 66.5384, 0.2823,
0.5001

■ 65.5369, 0.2833,
0.5245

■ 67.9675, 0.2830,
0.4741


■ 64.9010, 0.2860,
0.5460


■ 69.8605, 0.2853,
0.4476


■ 64.6498, 0.2881,
0.5572


■ 72.2585, 0.2889,
0.4217


■ 75.1962, 0.2936,
0.3971

 78.7047, 0.2989,
0.3745

 82.8130, 0.3045,
0.3540

 87.5480, 0.3104,
0.3357

 92.4426, 0.3145,
0.3195

 92.5779, 0.3133,
0.3175

Harmonies

Analogous

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



66.5384, 0.3765, 0.5177



66.5384, 0.2823, 0.5001



66.5384, 0.2014, 0.3998

Triad

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



66.5384, 0.2823, 0.5001



66.5384, 0.1692, 0.1843



66.5384, 0.4994, 0.3272

Complementary

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



66.5384, 0.2823, 0.5001



26.1392, 0.3889, 0.2139

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.



66.5384, 0.4234, 0.2638



66.5384, 0.2823, 0.5001



66.5384, 0.2258, 0.1858

Square

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



66.5384, 0.2823, 0.5001



66.5384, 0.1461, 0.2146



66.5384, 0.3167, 0.2138



66.5384, 0.5093, 0.3967

Rectangle

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



66.5384, 0.2823, 0.5001



66.5384, 0.1663, 0.3211



66.5384, 0.3167, 0.2138



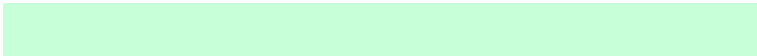
66.5384, 0.4805, 0.3052

Sweetspot

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



66.5411, 0.2823, 0.5001



88.6550, 0.2999, 0.3703



74.9047, 0.3683, 0.5184



18.7266, 0.2984, 0.3762



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.



66.5411, 0.2823, 0.5001



72.7076, 0.2846, 0.5361



69.8152, 0.2438, 0.3721



18.5599, 0.3072, 0.3455



35.5058, 0.2873, 0.5544



3.1386, 0.2804, 0.5294

Inverse Universe

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



26.1392, 0.3889, 0.2139



25.4713, 0.4103, 0.2086



23.4762, 0.5251, 0.3017



16.6723, 0.3187, 0.3131



11.9719, 0.4229, 0.2103



1.0709, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 66.5384, 0.2823, 0.5001 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 66.5384, 0.2823, 0.5001 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 66.5384, 0.2823, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 66.5384, 0.2823, 0.5001.



This preview shows how white text looks on a background with the Yxy color 66.5384, 0.2823, 0.5001.

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

66.5384, 0.2823, 0.5001

Protanopia

65.0380, 0.4010, 0.4368

Deuteranopia

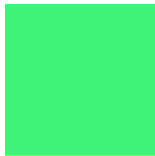
65.1398, 0.4099, 0.4017



Tritanopia

66.0671, 0.2371, 0.3056

Trichromacy



Original Color

66.5384, 0.2823, 0.5001



Protanomaly

62.6482, 0.3438, 0.4660



Deuteranomaly

61.4723, 0.3487, 0.4407



Tritanomaly

65.3852, 0.2528, 0.3714

Monochromacy



Original Color

66.5384, 0.2823, 0.5001



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

48.7434, 0.2944, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5384, 0.2823, 0.5001 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(63, 243, 121)` looks like.

```
.text, #text, p{  
    color:rgb(63, 243, 121)  
}
```

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(63, 243, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 243, 121) }
```

Border

The CSS property to change the border of an element to Yxy 66.5384, 0.2823, 0.5001 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(63, 243, 121) }
```

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

```
.border{ border-color:rgb(63, 243, 121) }
```

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

Here you see how a box with a 4 pixel rgb(63, 243, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 243, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 243, 121);  
box-shadow:4px 4px 4px 4px rgb(63, 243,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5384, 0.2823, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 243, 121) }
```

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

```
.background{ background-color: rgb(63, 243,  
121) }
```

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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