

Converting Colors

Yxy(66.8304, 0.2877, 0.4973)

Have a look what the booklet for
Yxy(66.8304, 0.2877, 0.4973)
contains.

Yxy(66.6341, 0.2877, 0.4967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.6341, 0.2877, 0.4967)

Conversions

Conversions Part 1

Format	Color
Hex	51F279
RGB	81, 242, 121
RGB Percent	32%, 95%, 47%
CMY	0.6825, 0.0510, 0.5254
CMYK	0.67, 0.00, 0.50, 0.05
HSL	135°, 86%, 63%
HSV	135°, 67%, 95%
XYZ	38.5960, 66.6341, 28.9235
YIQ	180.0670, -57.1150, -71.7630

Conversions

Conversions Part 2

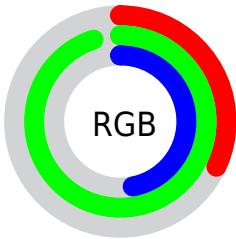
Format	Color
RYB	81, 210, 242
Decimal	5370489
CIELab	85.32, -66.46, 46.12
CIElCh	85, 80.896, 145.241
Yxy	66.6341, 0.2877, 0.4967
Android (android.graphics.Color)	4283560569 (0xFF51F279)
YUV	180.0670, -29.1200, -86.8818
Hunter-Lab	81.6297, -58.4540, 36.1328

Details

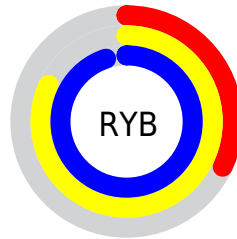
The Yxy color **66.6341, 0.2877, 0.4967** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **29.0214, 0.3638, 0.2102**, and the grayscale version is **45.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8182, 0.2929, 0.4263**, and **34.7107, 0.2833, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **65.3469, 0.2876, 0.5239**, and if you desaturate by 10%, it is **68.3915, 0.2893, 0.4680**.

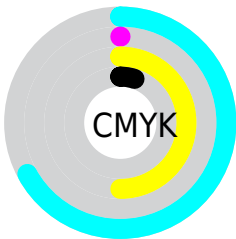
Distribution



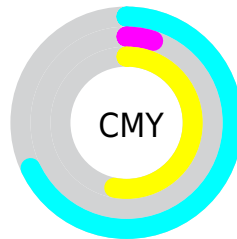
- Red (32%)
- Green (95%)
- Blue (47%)



- Red (32%)
- Yellow (82%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (50%)
- Black (5%)




- Cyan (68%)
- Magenta (5%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6341, 0.2877, 0.4967 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 66.6341, 0.2877, 0.4967 by changing the saturation by 10% instead.

 66.6341, 0.2877,
0.4967

 66.6341, 0.2877,
0.4967


448.6412, 0.3038,
0.4112


 48.7873, 0.2827,
0.5180


 114.3960, 0.2943,
0.4656

 34.4508, 0.2757,
0.5450


 145.0798, 0.2966,
0.4539

 23.2401, 0.2656,
0.5802


 180.8115, 0.2984,
0.4440

 14.7709, 0.2501,
0.6275

 221.9755, 0.2999,
0.4355

 8.6588, 0.2252,
0.6921

268.9560, 0.3011,
0.4282

 4.5193, 0.1897,
0.8103

322.1375, 0.3021,

 1.9681, 0.0000,

0.4218

1.0000

381.9045, 0.3030,
0.4162

■ 0.5888, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6341, 0.2877,
0.4967

■ 66.6341, 0.2877,
0.4967

■ 65.3469, 0.2876,
0.5239

■ 68.3915, 0.2893,
0.4680

■ 64.4744, 0.2890,
0.5480


■ 70.6517, 0.2921,
0.4392

■ 63.9606, 0.2916,
0.5677

■ 73.4536, 0.2958,
0.4115

■ 63.8358, 0.2926,
0.5735

■ 76.8300, 0.3001,
0.3857

 80.8110, 0.3048,
0.3623

 85.4247, 0.3096,
0.3414

 90.6972, 0.3144,
0.3229

 91.9876, 0.3133,
0.3165

Harmonies

Analogous

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



66.6341, 0.3796, 0.5112



66.6341, 0.2877, 0.4967



66.6341, 0.2075, 0.4027

Triad

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



66.6341, 0.2877, 0.4967



66.6341, 0.1710, 0.1885



66.6341, 0.4919, 0.3251

Complementary

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



66.6341, 0.2877, 0.4967



29.0214, 0.3638, 0.2102

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.



66.6341, 0.4159, 0.2632



66.6341, 0.2877, 0.4967



66.6341, 0.2251, 0.1885

Square

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



66.6341, 0.2877, 0.4967



66.6341, 0.1496, 0.2201



66.6341, 0.3125, 0.2149



66.6341, 0.5050, 0.3932

Rectangle

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



66.6341, 0.2877, 0.4967



66.6341, 0.1719, 0.3264



66.6341, 0.3125, 0.2149



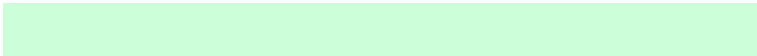
66.6341, 0.4725, 0.3036

Sweetspot

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



66.6368, 0.2877, 0.4967



89.3507, 0.3031, 0.3703



76.9997, 0.3763, 0.4973



18.8540, 0.3018, 0.3769



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.



66.6368, 0.2877, 0.4967



73.1779, 0.2879, 0.5332



69.3822, 0.2527, 0.3856



17.7209, 0.3082, 0.3472



34.3096, 0.2919, 0.5709



2.8696, 0.2850, 0.5459

Inverse Universe

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



29.0214, 0.3638, 0.2102



27.9999, 0.3778, 0.1982



26.2124, 0.4735, 0.2873



15.9603, 0.3176, 0.3114



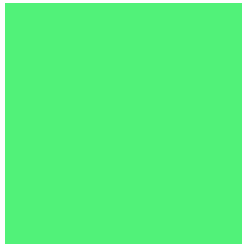
11.9742, 0.3958, 0.1954



1.0119, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 66.6341, 0.2877, 0.4967 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 66.6341, 0.2877, 0.4967 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

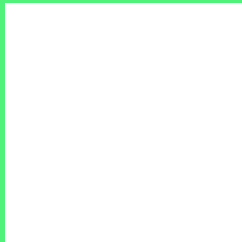
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6341, 0.2877, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 66.6341, 0.2877, 0.4967.

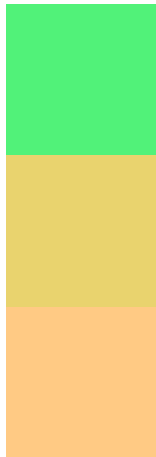


This preview shows how white text looks on a background with the Yxy color 66.6341, 0.2877, 0.4967.

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

66.6341, 0.2877, 0.4967

Protanopia

65.0380, 0.4010, 0.4368

Deuteranopia

65.1670, 0.4091, 0.4008



Tritanopia

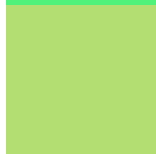
66.1241, 0.2411, 0.3057

Trichromacy



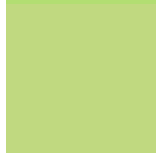
Original Color

66.6341, 0.2877, 0.4967



Protanomaly

62.9224, 0.3494, 0.4627



Deuteranomaly

62.3907, 0.3537, 0.4374



Tritanomaly

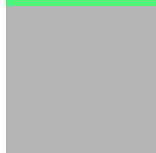
65.4981, 0.2578, 0.3711

Monochromacy



Original Color

66.6341, 0.2877, 0.4967



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

51.1444, 0.2989, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6341, 0.2877, 0.4967 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(81, 242, 121)` looks like.

```
.text, #text, p{  
    color:rgb(81, 242, 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(81, 242, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 242, 121) }
```

Border

The CSS property to change the border of an element to Yxy 66.6341, 0.2877, 0.4967 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(81, 242, 121) }
```

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

```
.border{ border-color:rgb(81, 242, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 242, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 242, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 242, 121);  
box-shadow:4px 4px 4px 4px rgb(81, 242,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6341, 0.2877, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 242, 121) }
```

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

```
.background{ background-color: rgb(81, 242,  
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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