

Converting Colors

$Yxy(66.8004, 0.2563, 0.4414)$

Have a look what the booklet for
Yxy(66.8004, 0.2563, 0.4414)
contains.

Yxy(66.8267, 0.2561, 0.4407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8267, 0.2561, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	06F3A4
RGB	6, 243, 164
RGB Percent	2%, 95%, 64%
CMY	0.9746, 0.0470, 0.3568
CMYK	0.97, 0.00, 0.33, 0.05
HSL	160°, 95%, 49%
HSV	160°, 97%, 95%
XYZ	38.8344, 66.8267, 45.9765
YIQ	163.1310, -115.8930, -74.8130

Conversions

Conversions Part 2

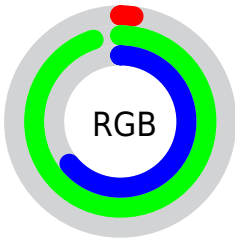
Format	Color
RYB	6, 148, 243
Decimal	455588
CIELab	85.42, -66.12, 24.81
CIELCh	85, 70.622, 159.432
Yxy	66.8267, 0.2561, 0.4407
Android (android.graphics.Color)	4278645668 (0xFF06F3A4)
YUV	163.1310, 0.4284, -137.8039
Hunter-Lab	81.7476, -58.2614, 23.8774

Details

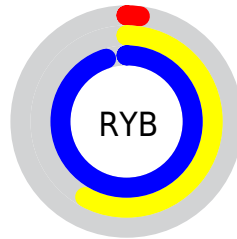
The Yxy color **66.8267, 0.2561, 0.4407** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.8608, 0.5604, 0.2876**, and the grayscale version is **36.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1452, 0.2574, 0.3726**, and **35.8678, 0.2622, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **66.7099, 0.2567, 0.4441**, and if you desaturate by 10%, it is **67.3782, 0.2545, 0.4280**.

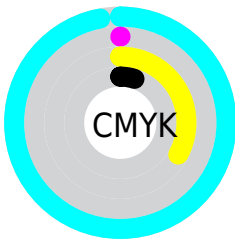
Distribution



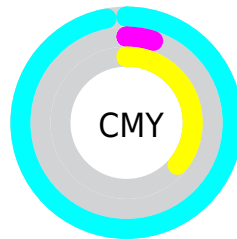
- Red (2%)
- Green (95%)
- Blue (64%)



- Red (2%)
- Yellow (58%)
- Blue (95%)



- Cyan (97%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)





- Cyan (97%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8267, 0.2561, 0.4407 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 66.8267, 0.2561, 0.4407 by changing the saturation by 10% instead.


 66.8267, 0.2561,
0.4407

 66.8267, 0.2561,
0.4407


449.3277, 0.2844,
0.3845


 48.9438, 0.2491,
0.4547


 114.6721, 0.2664,
0.4202


 34.5749, 0.2402,
0.4727


 145.4033, 0.2702,
0.4126

 23.3356, 0.2284,
0.4964


 181.1861, 0.2735,
0.4061

 14.8415, 0.2123,
0.5291

 222.4049, 0.2763,
0.4005

 8.7082, 0.1892,
0.5764

 269.4441, 0.2787,
0.3957

 4.5514, 0.1541,
0.6494

322.6880, 0.2809,

 1.9865, 0.0038,

0.3915

0.9378

382.5210, 0.2827,
0.3878

■ 0.5996, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8267, 0.2561,
0.4407

■ 66.8267, 0.2561,
0.4407


■ 66.7099, 0.2567,
0.4441

■ 67.3782, 0.2545,
0.4280


■ 68.2267, 0.2549,
0.4150


■ 69.4321, 0.2572,
0.4020


■ 71.0385, 0.2616,
0.3893

 73.0834, 0.2678,
0.3770

 75.5997, 0.2755,
0.3653

 78.6173, 0.2845,
0.3543

 82.1634, 0.2943,
0.3443

 86.2634, 0.3048,
0.3351

Harmonies

Analogous

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



66.8267, 0.3364, 0.4898



66.8267, 0.2561, 0.4407



66.8267, 0.1958, 0.3467

Triad

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



66.8267, 0.2561, 0.4407



66.8267, 0.2054, 0.1998



66.8267, 0.4830, 0.3571

Complementary

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



66.8267, 0.2561, 0.4407



19.8608, 0.5604, 0.2876

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.



66.8267, 0.4398, 0.2969



66.8267, 0.2561, 0.4407



66.8267, 0.2692, 0.2113

Square

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



66.8267, 0.2561, 0.4407



66.8267, 0.1716, 0.2152



66.8267, 0.3562, 0.2456



66.8267, 0.4706, 0.4196

Rectangle

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



66.8267, 0.2561, 0.4407



66.8267, 0.1734, 0.2876



66.8267, 0.3562, 0.2456



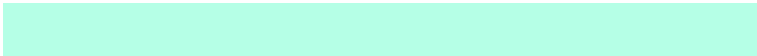
66.8267, 0.4748, 0.3365

Sweetspot

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



66.8293, 0.2561, 0.4407



87.0798, 0.2829, 0.3562



66.2583, 0.3191, 0.5835



18.3247, 0.2790, 0.3608



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.



66.8293, 0.2561, 0.4407



74.4157, 0.2568, 0.4444



51.3968, 0.2117, 0.2812



18.6582, 0.3025, 0.3370



36.6356, 0.2561, 0.4421



3.2390, 0.2517, 0.4261

Inverse Universe

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



19.8608, 0.5604, 0.2876



21.9186, 0.5687, 0.2907



20.7240, 0.6227, 0.3412



16.5738, 0.3241, 0.3211



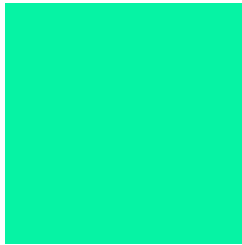
10.8076, 0.5640, 0.2880



0.9682, 0.5289, 0.2687

Previews

White Background



This preview shows how the Yxy color 66.8267, 0.2561, 0.4407 looks on a white background.

Color Contrast Check

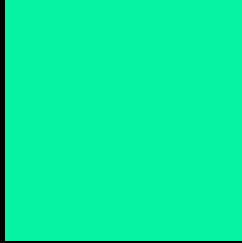
Large Text (above 18pt) WCAG AA × Fail

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 66.8267, 0.2561, 0.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

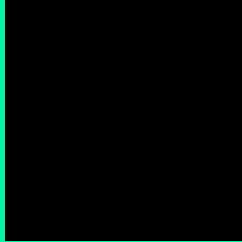
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8267, 0.2561, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 66.8267, 0.2561, 0.4407.



This preview shows how white text looks on a background with the Yxy color 66.8267, 0.2561, 0.4407.

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

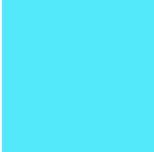
66.8202, 0.2561, 0.4407

Protanopia

65.2845, 0.3700, 0.3973

Deuteranopia

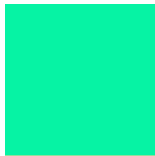
65.1415, 0.3691, 0.3613



Tritanopia

66.5631, 0.2290, 0.3054

Trichromacy



Original Color

66.8202, 0.2561, 0.4407



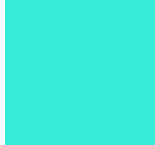
Protanomaly

61.3450, 0.3033, 0.4196



Deuteranomaly

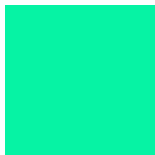
60.3142, 0.3015, 0.3917



Tritanomaly

65.9461, 0.2365, 0.3512

Monochromacy



Original Color

66.8202, 0.2561, 0.4407



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

43.4078, 0.2703, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8267, 0.2561, 0.4407 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(6, 243, 164)` looks like.

```
.text, #text, p{  
    color:rgb(6, 243, 164)  
}
```

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(6, 243, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 243, 164) }
```

Border

The CSS property to change the border of an element to Yxy 66.8267, 0.2561, 0.4407 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(6, 243, 164) }
```

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

```
.border{ border-color:rgb(6, 243, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 243, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 243, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 243, 164);  
box-shadow:4px 4px 4px 4px rgb(6, 243,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8267, 0.2561, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 243, 164) }
```

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

```
.background{ background-color: rgb(6, 243,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor