

Converting Colors

$Yxy(66.5970, 0.2726, 0.5082)$

Have a look what the booklet for
Yxy(66.5970, 0.2726, 0.5082)
contains.

Yxy(66.6609, 0.2742, 0.5072)	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(66.6609, 0.2742, 0.5072)

Conversions

Conversions Part 1

Format	Color
Hex	00F578
RGB	0, 245, 120
RGB Percent	0%, 96%, 47%
CMY	1.0000, 0.0392, 0.5295
CMYK	1.00, 0.00, 0.51, 0.04
HSL	149°, 100%, 48%
HSV	149°, 100%, 96%
XYZ	36.0379, 66.6609, 28.7304
YIQ	157.4950, -105.8950, -90.8150

Conversions

Conversions Part 2

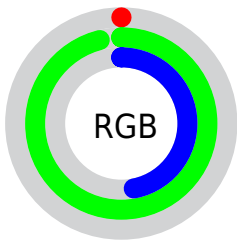
Format	Color
RYB	0, 164, 245
Decimal	62840
CIELab	85.33, -74.89, 46.43
CIELCh	85, 88.114, 148.200
Yxy	66.6609, 0.2742, 0.5072
Android (android.graphics.Color)	4278252920 (0xFF00F578)
YUV	157.4950, -18.4850, -138.1231
Hunter-Lab	81.6461, -64.0924, 36.2888

Details

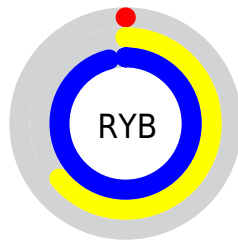
The Yxy color **66.6609, 0.2742, 0.5072** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.8955, 0.4952, 0.2502**, and the grayscale version is **34.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0867, 0.2778, 0.4320**, and **35.9580, 0.2842, 0.5433** is the 20% darker color. If you saturate the color by 10%, you get **66.6661, 0.2742, 0.5072**, and if you desaturate by 10%, it is **67.1901, 0.2710, 0.4889**.

Distribution



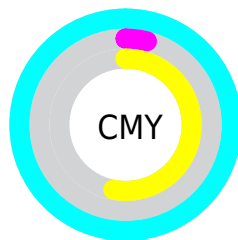
- Red (0%)
- Green (96%)
- Blue (47%)



- Red (0%)
- Yellow (64%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6609, 0.2742, 0.5072 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 66.6609, 0.2742, 0.5072 by changing the saturation by 10% instead.


 66.6609, 0.2742,
0.5072

 66.6609, 0.2742,
0.5072


448.7368, 0.2970,
0.4158

 48.8091, 0.2675,
0.5301

 114.4344, 0.2832,
0.4738

 34.4681, 0.2585,
0.5593

 145.1249, 0.2864,
0.4613


 23.2534, 0.2458,
0.5974


 180.8637, 0.2890,
0.4507

 14.7807, 0.2269,
0.6485

 222.0352, 0.2912,
0.4417

 8.6656, 0.1977,
0.7183

 269.0239, 0.2930,
0.4339

 4.5237, 0.1562,
0.8438

322.2142, 0.2945,

 1.9706, 0.0000,

0.4271

1.0000

381.9903, 0.2959,
0.4211

■ 0.5903, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6609, 0.2742,
0.5072

■ 66.6609, 0.2742,
0.5072


■ 66.6661, 0.2742,
0.5072


■ 67.1901, 0.2710,
0.4889


■ 68.0074, 0.2694,
0.4694


■ 69.1978, 0.2698,
0.4492

■ 70.8094, 0.2723,
0.4289

 72.8829, 0.2765,
0.4092

 75.4541, 0.2821,
0.3903

 78.5549, 0.2889,
0.3727

 82.2147, 0.2964,
0.3566

 86.4606, 0.3045,
0.3420

Harmonies

Analogous

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



66.6609, 0.3723, 0.5290



66.6609, 0.2742, 0.5072



66.6609, 0.1918, 0.3966

Triad

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



66.6609, 0.2742, 0.5072



66.6609, 0.1654, 0.1774



66.6609, 0.5118, 0.3296

Complementary

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



66.6609, 0.2742, 0.5072



20.8955, 0.4952, 0.2502

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.



66.6609, 0.4351, 0.2638



66.6609, 0.2742, 0.5072



66.6609, 0.2258, 0.1808

Square

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



66.6609, 0.2742, 0.5072



66.6609, 0.1398, 0.2060



66.6609, 0.3226, 0.2111



66.6609, 0.5168, 0.4016

Rectangle

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



66.6609, 0.2742, 0.5072



66.6609, 0.1573, 0.3134



66.6609, 0.3226, 0.2111



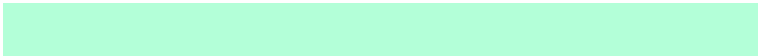
66.6609, 0.4934, 0.3068

Sweetspot

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



66.6661, 0.2742, 0.5072



86.0002, 0.2889, 0.3729



69.7909, 0.3377, 0.5701



18.0852, 0.2859, 0.3801



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.



66.6661, 0.2742, 0.5072



72.9975, 0.2743, 0.5076



71.6569, 0.2261, 0.3339



18.6073, 0.3049, 0.3413



35.9391, 0.2734, 0.5043



3.1794, 0.2670, 0.4811

Inverse Universe

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



20.8955, 0.4952, 0.2502



22.8750, 0.4957, 0.2504



19.4231, 0.6388, 0.3293



16.6237, 0.3213, 0.3170



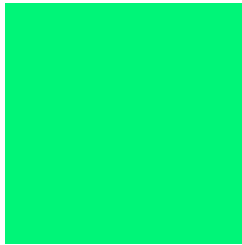
11.2840, 0.4917, 0.2482



1.0125, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 66.6609, 0.2742, 0.5072 looks on a white background.

Color Contrast Check

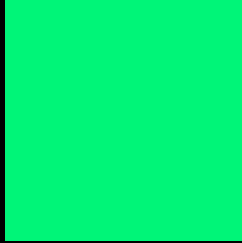
Large Text (above 18pt) WCAG AA × Fail

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 66.6609, 0.2742, 0.5072 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 66.6609, 0.2742, 0.5072

Background



This preview shows how black text looks on a background with the Yxy color 66.6609, 0.2742, 0.5072.

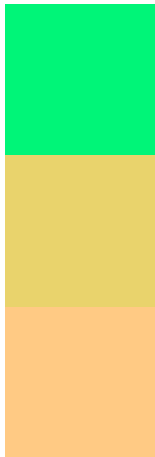


This preview shows how white text looks on a background with the Yxy color 66.6609, 0.2742, 0.5072.

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

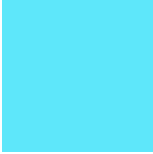
66.6609, 0.2742, 0.5072

Protanopia

64.9949, 0.4022, 0.4386

Deuteranopia

65.1670, 0.4091, 0.4008



Tritanopia

66.4336, 0.2320, 0.3055

Trichromacy



Original Color

66.6609, 0.2742, 0.5072



Protanomaly

60.2411, 0.3282, 0.4761



Deuteranomaly

59.3827, 0.3303, 0.4471



Tritanomaly

65.2634, 0.2440, 0.3735

Monochromacy



Original Color

66.6609, 0.2742, 0.5072



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

41.1181, 0.2781, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6609, 0.2742, 0.5072 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(0, 245, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 120)  
}
```

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(0, 245, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 120) }
```

Border

The CSS property to change the border of an element to Yxy 66.6609, 0.2742, 0.5072 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(0, 245, 120) }
```

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

```
.border{ border-color:rgb(0, 245, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6609, 0.2742, 0.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 120) }
```

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

```
.background{ background-color: rgb(0, 245,  
120) }
```

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