

Converting Colors

$Yxy(64.8847, 0.2732, 0.5036)$

Have a look what the booklet for
Yxy(64.8847, 0.2732, 0.5036)
contains.

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Color

Yxy(64.8847, 0.2732, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	00F279
RGB	0, 242, 121
RGB Percent	0%, 95%, 47%
CMY	1.0000, 0.0509, 0.5255
CMYK	1.00, 0.00, 0.50, 0.05
HSL	150°, 100%, 47%
HSV	150°, 100%, 95%
XYZ	35.1996, 64.8847, 28.7575
YIQ	155.8480, -105.3910, -88.9350

Conversions

Conversions Part 2

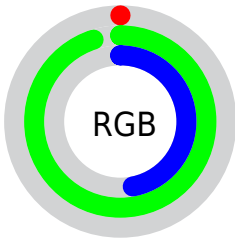
Format	Color
RYB	0, 161, 242
Decimal	62073
CIELab	84.42, -73.80, 44.83
CIELCh	84, 86.348, 148.726
Yxy	64.8847, 0.2732, 0.5036
Android (android.graphics.Color)	4278252153 (0xFF00F279)
YUV	155.8480, -17.1801, -136.6787
Hunter-Lab	80.5510, -62.9626, 35.2186

Details

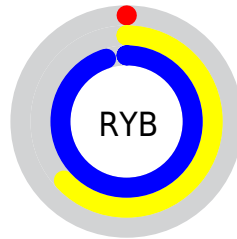
The Yxy color **64.8847, 0.2732, 0.5036** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.2594, 0.4995, 0.2525**, and the grayscale version is **33.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0599, 0.2769, 0.4307**, and **34.7107, 0.2833, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **64.8898, 0.2732, 0.5036**, and if you desaturate by 10%, it is **65.4022, 0.2700, 0.4855**.

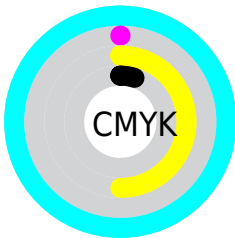
Distribution



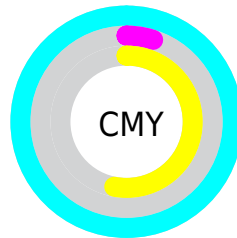
- Red (0%)
- Green (95%)
- Blue (47%)



- Red (0%)
- Yellow (63%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (5%)



- Cyan (100%)
- Magenta (5%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8847, 0.2732, 0.5036 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 64.8847, 0.2732, 0.5036 by changing the saturation by 10% instead.

 64.8847, 0.2732,
0.5036


 64.8847, 0.2732,
0.5036

442.3775, 0.2964,
0.4137


 47.3676, 0.2665,
0.5263


 111.8841, 0.2824,
0.4706


 33.3263, 0.2574,
0.5553


 142.1351, 0.2856,
0.4583


 22.3766, 0.2445,
0.5933


 177.3996, 0.2882,
0.4479

 14.1339, 0.2255,
0.6447

 218.0620, 0.2904,
0.4390

 8.2138, 0.1959,
0.7155

 264.5065, 0.2923,
0.4314

 4.2321, 0.1537,
0.8463

317.1177, 0.2938,

 1.8042, 0.0000,

0.4247

1.0000

376.2799, 0.2952,
0.4189

■ 0.4898, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8847, 0.2732,
0.5036

■ 64.8847, 0.2732,
0.5036

■ 64.8898, 0.2732,
0.5036

■ 65.4022, 0.2700,
0.4855

■ 66.1981, 0.2685,
0.4663

■ 67.3550, 0.2691,
0.4465

■ 68.9196, 0.2716,
0.4267

■ 70.9315, 0.2759,
0.4074

■ 73.4250, 0.2816,
0.3890

■ 76.4312, 0.2885,
0.3718

■ 79.9785, 0.2962,
0.3560

■ 84.0930, 0.3043,
0.3418

Harmonies

Analogous

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



64.8847, 0.3704, 0.5273



64.8847, 0.2732, 0.5036



64.8847, 0.1919, 0.3936

Triad

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



64.8847, 0.2732, 0.5036



64.8847, 0.1674, 0.1785



64.8847, 0.5104, 0.3311

Complementary

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



64.8847, 0.2732, 0.5036



20.2594, 0.4995, 0.2525

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.



64.8847, 0.4356, 0.2656



64.8847, 0.2732, 0.5036



64.8847, 0.2281, 0.1823

Square

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



64.8847, 0.2732, 0.5036



64.8847, 0.1414, 0.2065



64.8847, 0.3245, 0.2129



64.8847, 0.5144, 0.4027

Rectangle

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



64.8847, 0.2732, 0.5036



64.8847, 0.1581, 0.3118



64.8847, 0.3245, 0.2129



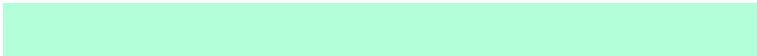
64.8847, 0.4926, 0.3084

Sweetspot

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



64.8898, 0.2732, 0.5036



86.0409, 0.2884, 0.3719



67.8721, 0.3378, 0.5700



18.0949, 0.2854, 0.3790



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.



64.8898, 0.2732, 0.5036



73.0653, 0.2734, 0.5041



69.6808, 0.2261, 0.3339



17.7882, 0.3048, 0.3411



34.8842, 0.2724, 0.5007



2.9221, 0.2657, 0.4766

Inverse Universe

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



20.2594, 0.4995, 0.2525



22.8054, 0.5001, 0.2529



18.8876, 0.6388, 0.3293



15.8907, 0.3215, 0.3173



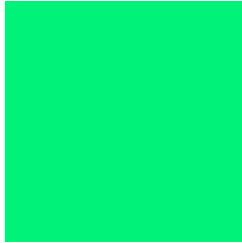
10.9103, 0.4958, 0.2505



0.9277, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 64.8847, 0.2732, 0.5036 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 64.8847, 0.2732, 0.5036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

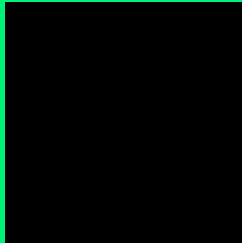
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8847, 0.2732, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 64.8847, 0.2732, 0.5036.

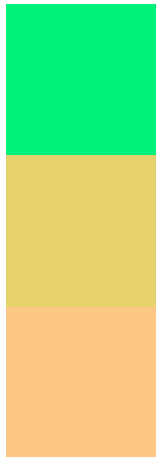


This preview shows how white text looks on a background with the Yxy color 64.8847, 0.2732, 0.5036.

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

64.8847, 0.2732, 0.5036

Protanopia

63.5280, 0.4003, 0.4370

Deuteranopia

63.2082, 0.4083, 0.3986



Tritanopia

64.5294, 0.2320, 0.3052

Trichromacy



Original Color

64.8847, 0.2732, 0.5036



Protanomaly

59.0161, 0.3266, 0.4737



Deuteranomaly

57.6330, 0.3294, 0.4446



Tritanomaly

63.4247, 0.2437, 0.3726

Monochromacy



Original Color

64.8847, 0.2732, 0.5036



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.1765, 0.2778, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8847, 0.2732, 0.5036 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, 242, 121)` looks like.

```
.text, #text, p{
  color:rgb(0, 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(0, 242, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 121) }
```

Border

The CSS property to change the border of an element to Yxy 64.8847, 0.2732, 0.5036 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, 242, 121) }
```

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

```
.border{ border-color:rgb(0, 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(0, 242, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8847, 0.2732, 0.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 121) }
```

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

```
.background{ background-color: rgb(0, 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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