

Converting Colors

$Yxy(65.1047, 0.2725, 0.5006)$

Have a look what the booklet for
Yxy(65.1047, 0.2725, 0.5006)
contains.

Yxy(64.9472, 0.2725, 0.5007)	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(64.9472, 0.2725, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	01F27B
RGB	1, 242, 123
RGB Percent	0%, 95%, 48%
CMY	0.9949, 0.0509, 0.5176
CMYK	0.99, 0.00, 0.49, 0.05
HSL	150°, 99%, 48%
HSV	150°, 99%, 95%
XYZ	35.3467, 64.9472, 29.4189
YIQ	156.3750, -105.4370, -88.1010

Conversions

Conversions Part 2

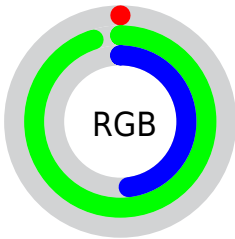
Format	Color
RYB	1, 161, 242
Decimal	127611
CIELab	84.46, -73.44, 43.90
CIElCh	84, 85.564, 149.128
Yxy	64.9472, 0.2725, 0.5007
Android (android.graphics.Color)	4278317691 (0xFF01F27B)
YUV	156.3750, -16.4539, -136.2639
Hunter-Lab	80.5898, -62.7420, 34.7694

Details

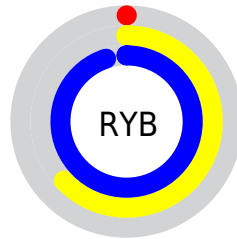
The Yxy color **64.9472, 0.2725, 0.5007** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.2706, 0.5007, 0.2535**, and the grayscale version is **33.5794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1391, 0.2760, 0.4281**, and **34.7359, 0.2824, 0.5367** is the 20% darker color. If you saturate the color by 10%, you get **64.9253, 0.2727, 0.5016**, and if you desaturate by 10%, it is **65.4728, 0.2694, 0.4827**.

Distribution



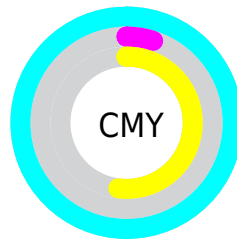
- Red (0%)
- Green (95%)
- Blue (48%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (5%)



- Cyan (99%)
- Magenta (5%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9472, 0.2725, 0.5007 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 64.9472, 0.2725, 0.5007 by changing the saturation by 10% instead.

 64.9472, 0.2725,
0.5007


 64.9472, 0.2725,
0.5007


442.6022, 0.2958,
0.4123


 47.4183, 0.2658,
0.5230


 111.9739, 0.2817,
0.4683

 33.3664, 0.2567,
0.5515


 142.2405, 0.2849,
0.4562


 22.4073, 0.2440,
0.5890


 177.5218, 0.2876,
0.4460

 14.1565, 0.2252,
0.6397

 218.2022, 0.2898,
0.4373

 8.2296, 0.1961,
0.7100

 264.6660, 0.2917,
0.4297

 4.2422, 0.1554,
0.8446

317.2977, 0.2933,

 1.8100, 0.0000,

0.4232

1.0000

376.4816, 0.2946,
0.4174

■ 0.4934, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9472, 0.2725,
0.5007

■ 64.9472, 0.2725,
0.5007

■ 64.9253, 0.2727,
0.5016

■ 65.4728, 0.2694,
0.4827

■ 66.2864, 0.2680,
0.4637

■ 67.4631, 0.2687,
0.4441

■ 69.0490, 0.2714,
0.4245

■ 71.0831, 0.2758,
0.4054

■ 73.5998, 0.2817,
0.3873

■ 76.6298, 0.2887,
0.3704

■ 80.2013, 0.2964,
0.3549

■ 84.3405, 0.3047,
0.3409

Harmonies

Analogous

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



64.9472, 0.3690, 0.5258



64.9472, 0.2725, 0.5007



64.9472, 0.1922, 0.3913

Triad

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



64.9472, 0.2725, 0.5007



64.9472, 0.1690, 0.1795



64.9472, 0.5092, 0.3323

Complementary

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



64.9472, 0.2725, 0.5007



20.2706, 0.5007, 0.2535

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.



64.9472, 0.4358, 0.2669



64.9472, 0.2725, 0.5007



64.9472, 0.2299, 0.1836

Square

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



64.9472, 0.2725, 0.5007



64.9472, 0.1427, 0.2069



64.9472, 0.3260, 0.2144



64.9472, 0.5125, 0.4036

Rectangle

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



64.9472, 0.2725, 0.5007



64.9472, 0.1588, 0.3106



64.9472, 0.3260, 0.2144



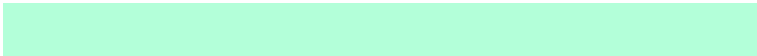
64.9472, 0.4918, 0.3097

Sweetspot

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



64.9498, 0.2725, 0.5007



86.0636, 0.2882, 0.3714



67.6262, 0.3357, 0.5713



18.1002, 0.2852, 0.3784



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.



64.9498, 0.2725, 0.5007



73.1036, 0.2728, 0.5021



69.9306, 0.2247, 0.3287



17.7898, 0.3047, 0.3409



34.9026, 0.2719, 0.4987



2.9237, 0.2652, 0.4749

Inverse Universe

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



20.2706, 0.5007, 0.2535



22.7677, 0.5026, 0.2542



18.9103, 0.6394, 0.3300



15.8891, 0.3216, 0.3174



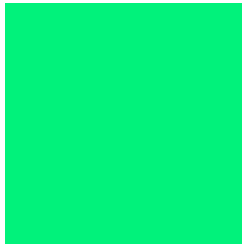
10.8922, 0.4982, 0.2518



0.9262, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 64.9472, 0.2725, 0.5007 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 64.9472, 0.2725, 0.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

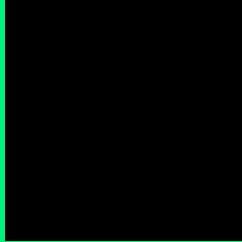
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9472, 0.2725, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 64.9472, 0.2725, 0.5007.

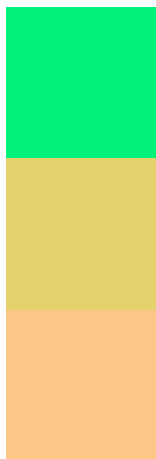


This preview shows how white text looks on a background with the Yxy color 64.9472, 0.2725, 0.5007.

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

64.9408, 0.2725, 0.5007

Protanopia

63.5716, 0.3990, 0.4351

Deuteranopia

63.0773, 0.4059, 0.3969



Tritanopia

64.4775, 0.2317, 0.3052

Trichromacy



Original Color

64.9408, 0.2725, 0.5007



Protanomaly

59.1538, 0.3263, 0.4709



Deuteranomaly

57.6862, 0.3282, 0.4420



Tritanomaly

63.4719, 0.2433, 0.3712

Monochromacy



Original Color

64.9408, 0.2725, 0.5007



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.2636, 0.2778, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9472, 0.2725, 0.5007 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(1, 242, 123)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 123)  
}
```

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(1, 242, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 123) }
```

Border

The CSS property to change the border of an element to Yxy 64.9472, 0.2725, 0.5007 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(1, 242, 123) }
```

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

```
.border{ border-color:rgb(1, 242, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 242, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 123);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9472, 0.2725, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 123) }
```

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

```
.background{ background-color: rgb(1, 242,  
123) }
```

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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