

Converting Colors

Yxy(64.4292, 0.2766, 0.4939)

Have a look what the booklet for
Yxy(64.4292, 0.2766, 0.4939)
contains.

Yxy(64.4292, 0.2766, 0.4939)	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(64.4292, 0.2766, 0.4939)

Conversions

Conversions Part 1

Format	Color
Hex	30F07D
RGB	48, 240, 125
RGB Percent	19%, 94%, 49%
CMY	0.8116, 0.0588, 0.5098
CMYK	0.80, 0.00, 0.48, 0.06
HSL	144°, 86%, 56%
HSV	144°, 80%, 94%
XYZ	36.0824, 64.4292, 29.9382
YIQ	169.4820, -77.5170, -76.4690

Conversions

Conversions Part 2

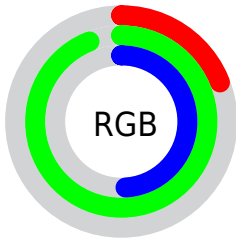
Format	Color
R_{YB}	48, 185, 240
Decimal	3207293
CIE _{Lab}	84.19, -69.81, 42.69
CIE _{LCh}	84, 81.825, 148.555
Yxy	64.4292, 0.2766, 0.4939
Android (android.graphics.Color)	4281397373 (0xFF30F07D)
YUV	169.4820, -21.9296, -106.5397
Hunter-Lab	80.2678, -60.2283, 34.0735

Details

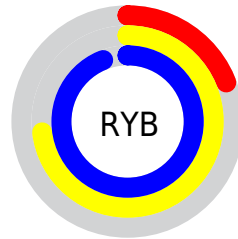
The Yxy color **64.4292, 0.2766, 0.4939** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.2891, 0.4203, 0.2244**, and the grayscale version is **40.0753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2103, 0.2809, 0.4239**, and **33.9369, 0.2811, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **63.6558, 0.2786, 0.5156**, and if you desaturate by 10%, it is **65.5763, 0.2766, 0.4707**.

Distribution



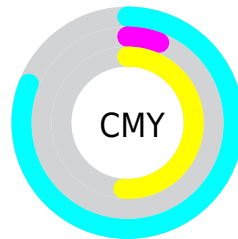
- Red (19%)
- Green (94%)
- Blue (49%)



- Red (19%)
- Yellow (73%)
- Blue (94%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (6%)




- Cyan (81%)
- Magenta (6%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4292, 0.2766, 0.4939 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 64.4292, 0.2766, 0.4939 by changing the saturation by 10% instead.


 64.4292, 0.2766,
0.4939

 64.4292, 0.2766,
0.4939


440.7379, 0.2977,
0.4091

 46.9984, 0.2705,
0.5153


 111.2288, 0.2849,
0.4628


 33.0344, 0.2621,
0.5427


 141.3664, 0.2879,
0.4512

 22.1528, 0.2504,
0.5787


 176.5084, 0.2903,
0.4414

 13.9692, 0.2330,
0.6276

 217.0392, 0.2923,
0.4331

 8.0993, 0.2055,
0.6959

263.3431, 0.2940,
0.4258

 4.1585, 0.1682,
0.8318

315.8046, 0.2954,

 1.7626, 0.0000,

0.4195

1.0000

374.8081, 0.2967,
0.4140

■ 0.4637, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4292, 0.2766,
0.4939

■ 64.4292, 0.2766,
0.4939

■ 63.6558, 0.2786,
0.5156

■ 65.5763, 0.2766,
0.4707

■ 63.1709, 0.2820,
0.5352


■ 67.1360, 0.2784,
0.4471

■ 63.1701, 0.2820,
0.5353


■ 69.1503, 0.2819,
0.4238


■ 71.6539, 0.2867,
0.4014

 74.6779, 0.2925,
0.3806

 78.2510, 0.2989,
0.3615

 82.3995, 0.3058,
0.3443

 87.1481, 0.3127,
0.3290

 90.7633, 0.3138,
0.3152

Harmonies

Analogous

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



64.4292, 0.3701, 0.5177



64.4292, 0.2766, 0.4939



64.4292, 0.1980, 0.3912

Triad

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



64.4292, 0.2766, 0.4939



64.4292, 0.1728, 0.1845



64.4292, 0.5007, 0.3320

Complementary

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



64.4292, 0.2766, 0.4939



23.2891, 0.4203, 0.2244

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.



64.4292, 0.4290, 0.2683



64.4292, 0.2766, 0.4939



64.4292, 0.2315, 0.1878

Square

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



64.4292, 0.2766, 0.4939



64.4292, 0.1477, 0.2123



64.4292, 0.3238, 0.2173



64.4292, 0.5062, 0.4014

Rectangle

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



64.4292, 0.2766, 0.4939



64.4292, 0.1648, 0.3141



64.4292, 0.3238, 0.2173



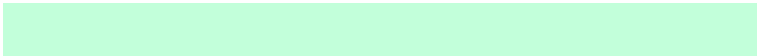
64.4292, 0.4835, 0.3099

Sweetspot

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



64.4318, 0.2766, 0.4939



88.0425, 0.2962, 0.3691



70.3450, 0.3573, 0.5366



18.5354, 0.2939, 0.3760



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.



64.4318, 0.2766, 0.4939



72.6760, 0.2807, 0.5283



68.1611, 0.2358, 0.3539



17.7614, 0.3061, 0.3435



34.6042, 0.2812, 0.5323



2.8979, 0.2739, 0.5060

Inverse Universe

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



23.2891, 0.4203, 0.2244



23.9106, 0.4504, 0.2271



21.0515, 0.5719, 0.3167



15.9179, 0.3199, 0.3149



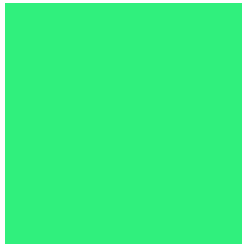
11.2665, 0.4543, 0.2277



0.9569, 0.4320, 0.2153

Previews

White Background



This preview shows how the Yxy color 64.4292, 0.2766, 0.4939 looks on a white background.

Color Contrast Check

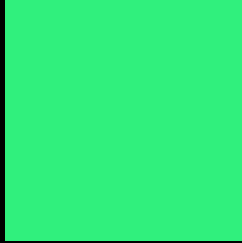
Large Text (above 18pt) WCAG AA × Fail

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 64.4292, 0.2766, 0.4939 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 64.4292, 0.2766, 0.4939

Background



This preview shows how black text looks on a background with the Yxy color 64.4292, 0.2766, 0.4939.

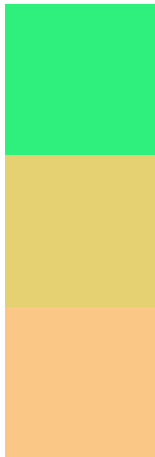


This preview shows how white text looks on a background with the Yxy color 64.4292, 0.2766, 0.4939.

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

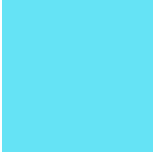
64.4292, 0.2766, 0.4939

Protanopia

62.9847, 0.3968, 0.4317

Deuteranopia

62.9201, 0.4044, 0.3962



Tritanopia

64.2974, 0.2351, 0.3065

Trichromacy



Original Color

64.4292, 0.2766, 0.4939



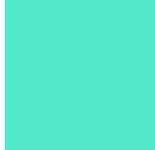
Protanomaly

60.2809, 0.3364, 0.4612



Deuteranomaly

59.0789, 0.3408, 0.4351



Tritanomaly

63.7241, 0.2494, 0.3707

Monochromacy



Original Color

64.4292, 0.2766, 0.4939



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.6901, 0.2892, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4292, 0.2766, 0.4939 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(48, 240, 125)` looks like.

```
.text, #text, p{  
    color:rgb(48, 240, 125)  
}
```

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(48, 240, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 240, 125) }
```

Border

The CSS property to change the border of an element to Yxy 64.4292, 0.2766, 0.4939 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(48, 240, 125) }
```

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

```
.border{ border-color:rgb(48, 240, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 240, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 240, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 240, 125);  
box-shadow:4px 4px 4px 4px rgb(48, 240,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4292, 0.2766, 0.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 240, 125) }
```

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

```
.background{ background-color: rgb(48, 240,  
125) }
```

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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