

Converting Colors

Yxy(64.0643, 0.2690, 0.4858)

Have a look what the booklet for
Yxy(64.0643, 0.2690, 0.4858)
contains.

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Color

Yxy(64.0643, 0.2690, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	0CF084
RGB	12, 240, 132
RGB Percent	5%, 94%, 52%
CMY	0.9544, 0.0588, 0.4822
CMYK	0.95, 0.00, 0.45, 0.06
HSL	152°, 91%, 49%
HSV	152°, 95%, 94%
XYZ	35.4741, 64.0643, 32.3355
YIQ	159.5160, -101.2200, -81.9240

Conversions

Conversions Part 2

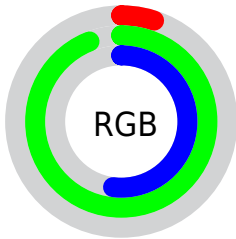
Format	Color
R_{YB}	12, 161, 240
Decimal	848004
CIE _{Lab}	84.00, -71.04, 38.98
CIE _{LCh}	84, 81.029, 151.247
Yxy	64.0643, 0.2690, 0.4858
Android (android.graphics.Color)	4279038084 (0xFF0CF084)
YUV	159.5160, -13.5654, -129.3715
Hunter-Lab	80.0402, -60.9586, 32.0755

Details

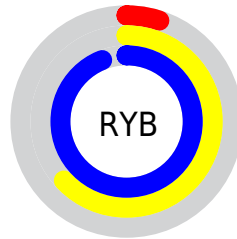
The Yxy color **64.0643, 0.2690, 0.4858** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.1271, 0.4991, 0.2547**, and the grayscale version is **34.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5759, 0.2722, 0.4159**, and **34.0351, 0.2779, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **63.8448, 0.2706, 0.4941**, and if you desaturate by 10%, it is **64.6876, 0.2667, 0.4680**.

Distribution



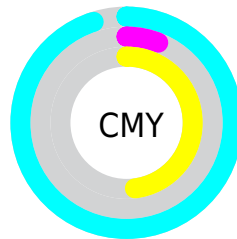
- Red (5%)
- Green (94%)
- Blue (52%)



- Red (5%)
- Yellow (63%)
- Blue (94%)



- Cyan (95%)
- Magenta (0%)
- Yellow (45%)
- Black (6%)





- Cyan (95%)
- Magenta (6%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0643, 0.2690, 0.4858 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 64.0643, 0.2690, 0.4858 by changing the saturation by 10% instead.

 64.0643, 0.2690,
0.4858


 64.0643, 0.2690,
0.4858

439.4218, 0.2933,
0.4051


 46.7028, 0.2623,
0.5063

 110.7035, 0.2783,
0.4561

 32.8007, 0.2534,
0.5325


 140.7500, 0.2817,
0.4451

 21.9738, 0.2410,
0.5673


 175.7936, 0.2845,
0.4358

 13.8377, 0.2230,
0.6149

 216.2187, 0.2868,
0.4278

 8.0079, 0.1954,
0.6824

 262.4096, 0.2888,
0.4210

 4.1000, 0.1564,
0.8104

314.7509, 0.2905,

 1.7296, 0.0000,

0.4150

1.0000

373.6268, 0.2920,
0.4097

■ 0.4427, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0643, 0.2690,
0.4858

■ 64.0643, 0.2690,
0.4858

■ 63.8448, 0.2706,
0.4941

■ 64.6876, 0.2667,
0.4680

■ 65.6311, 0.2664,
0.4494

■ 66.9482, 0.2681,
0.4306

■ 68.6807, 0.2717,
0.4121

■ 70.8644, 0.2770,
0.3943

■ 73.5313, 0.2836,
0.3775

■ 76.7102, 0.2912,
0.3620

■ 80.4276, 0.2995,
0.3478

■ 84.7083, 0.3082,
0.3350

Harmonies

Analogous

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



64.0643, 0.3617, 0.5177



64.0643, 0.2690, 0.4858



64.0643, 0.1934, 0.3800

Triad

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



64.0643, 0.2690, 0.4858



64.0643, 0.1775, 0.1845



64.0643, 0.5026, 0.3382

Complementary

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



64.0643, 0.2690, 0.4858



20.1271, 0.4991, 0.2547

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.



64.0643, 0.4366, 0.2740



64.0643, 0.2690, 0.4858



64.0643, 0.2391, 0.1903

Square

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



64.0643, 0.2690, 0.4858



64.0643, 0.1496, 0.2092



64.0643, 0.3331, 0.2218



64.0643, 0.5022, 0.4076

Rectangle

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



64.0643, 0.2690, 0.4858



64.0643, 0.1627, 0.3050



64.0643, 0.3331, 0.2218



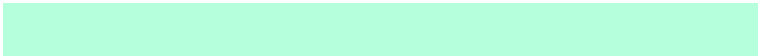
64.0643, 0.4875, 0.3160

Sweetspot

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



64.0669, 0.2690, 0.4858



86.5191, 0.2881, 0.3680



66.4886, 0.3360, 0.5690



18.1905, 0.2849, 0.3747



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.



64.0669, 0.2690, 0.4858



73.2534, 0.2707, 0.4947



66.4741, 0.2238, 0.3239



17.7957, 0.3044, 0.3404



34.9743, 0.2698, 0.4914



2.9296, 0.2634, 0.4683

Inverse Universe

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



20.1271, 0.4991, 0.2547



22.6298, 0.5119, 0.2593



18.9062, 0.6329, 0.3307



15.8833, 0.3219, 0.3179



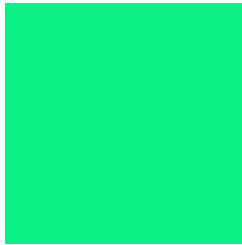
10.8260, 0.5074, 0.2569



0.9206, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 64.0643, 0.2690, 0.4858 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 64.0643, 0.2690, 0.4858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

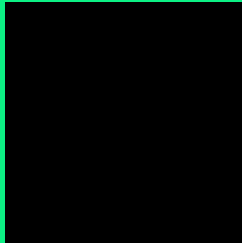
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0643, 0.2690, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 64.0643, 0.2690, 0.4858.

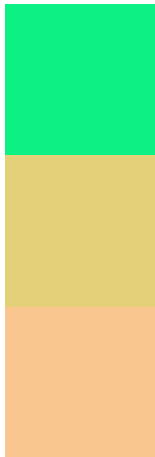


This preview shows how white text looks on a background with the Yxy color 64.0643, 0.2690, 0.4858.

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

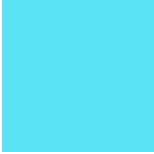
64.0643, 0.2690, 0.4858

Protanopia

62.7987, 0.3913, 0.4264

Deuteranopia

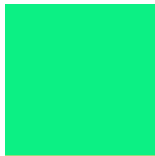
62.2976, 0.3978, 0.3885



Tritanopia

63.7044, 0.2316, 0.3062

Trichromacy



Original Color

64.0643, 0.2690, 0.4858



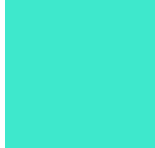
Protanomaly

59.0312, 0.3229, 0.4579



Deuteranomaly

57.1049, 0.3250, 0.4288



Tritanomaly

63.0970, 0.2428, 0.3670

Monochromacy



Original Color

64.0643, 0.2690, 0.4858



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.1396, 0.2779, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0643, 0.2690, 0.4858 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(12, 240, 132)` looks like.

```
.text, #text, p{  
    color:rgb(12, 240, 132)  
}
```

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(12, 240, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 240, 132) }
```

Border

The CSS property to change the border of an element to Yxy 64.0643, 0.2690, 0.4858 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(12, 240, 132) }
```

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

```
.border{ border-color:rgb(12, 240, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 240, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 240, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 240, 132);  
box-shadow:4px 4px 4px 4px rgb(12, 240,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0643, 0.2690, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 240, 132) }
```

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

```
.background{ background-color: rgb(12, 240,  
132) }
```

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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