

Converting Colors

$Yxy(64.1724, 0.2680, 0.4813)$

Have a look what the booklet for
Yxy(64.1724, 0.2680, 0.4813)
contains.

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Color

Yxy(64.1710, 0.2680, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	0FF087
RGB	15, 240, 135
RGB Percent	6%, 94%, 53%
CMY	0.9406, 0.0588, 0.4706
CMYK	0.94, 0.00, 0.44, 0.06
HSL	152°, 88%, 50%
HSV	152°, 94%, 94%
XYZ	35.7320, 64.1710, 33.4255
YIQ	160.7550, -100.3950, -80.3550

Conversions

Conversions Part 2

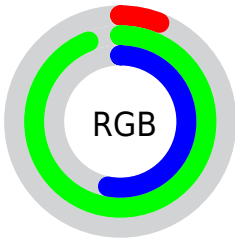
Format	Color
R _Y B	15, 162, 240
Decimal	1044615
CIE Lab	84.05, -70.41, 37.59
CIE LCh	84, 79.813, 151.902
Yxy	64.1710, 0.2680, 0.4813
Android (android.graphics.Color)	4279234695 (0xFF0FF087)
YUV	160.7550, -12.6972, -127.8271
Hunter-Lab	80.1068, -60.5661, 31.3354

Details

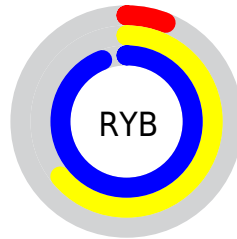
The Yxy color **64.1710, 0.2680, 0.4813** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.2311, 0.4977, 0.2549**, and the grayscale version is **35.6384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7715, 0.2713, 0.4118**, and **34.0804, 0.2764, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **63.8780, 0.2700, 0.4921**, and if you desaturate by 10%, it is **64.8376, 0.2660, 0.4635**.

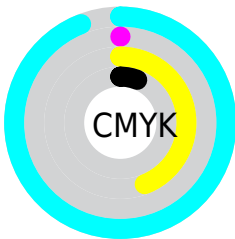
Distribution



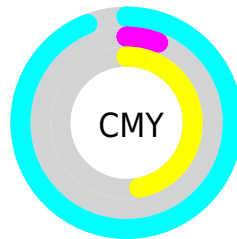
- Red (6%)
- Green (94%)
- Blue (53%)



- Red (6%)
- Yellow (64%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (44%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1710, 0.2680, 0.4813 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 64.1710, 0.2680, 0.4813 by changing the saturation by 10% instead.

 64.1710, 0.2680,
0.4813


 64.1710, 0.2680,
0.4813


439.8069, 0.2925,
0.4030

 46.7892, 0.2613,
0.5011


 110.8572, 0.2774,
0.4525

 32.8690, 0.2524,
0.5266


 140.9303, 0.2808,
0.4418

 22.0261, 0.2402,
0.5604


 176.0027, 0.2836,
0.4328

 13.8761, 0.2225,
0.6068

 216.4587, 0.2859,
0.4251

 8.0345, 0.1955,
0.6728

 262.6827, 0.2879,
0.4184

 4.1171, 0.1562,
0.7916

315.0592, 0.2897,

 1.7393, 0.0000,

0.4126

1.0000

373.9724, 0.2912,
0.4075

■ 0.4489, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1710, 0.2680,
0.4813

■ 64.1710, 0.2680,
0.4813


■ 63.8780, 0.2700,
0.4921

■ 64.8376, 0.2660,
0.4635

■ 65.8317, 0.2660,
0.4451


■ 67.2054, 0.2681,
0.4266


■ 68.9992, 0.2720,
0.4084

 71.2482, 0.2776,
0.3910

 73.9838, 0.2844,
0.3746

 77.2344, 0.2922,
0.3594

 81.0264, 0.3007,
0.3456

 85.3841, 0.3094,
0.3332

Harmonies

Analogous

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



64.1710, 0.3595, 0.5150



64.1710, 0.2680, 0.4813



64.1710, 0.1939, 0.3767

Triad

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



64.1710, 0.2680, 0.4813



64.1710, 0.1802, 0.1861



64.1710, 0.5005, 0.3399

Complementary

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



64.1710, 0.2680, 0.4813



20.2311, 0.4977, 0.2549

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.



64.1710, 0.4368, 0.2762



64.1710, 0.2680, 0.4813



64.1710, 0.2419, 0.1923

Square

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



64.1710, 0.2680, 0.4813



64.1710, 0.1518, 0.2099



64.1710, 0.3352, 0.2241



64.1710, 0.4991, 0.4087

Rectangle

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



64.1710, 0.2680, 0.4813



64.1710, 0.1639, 0.3034



64.1710, 0.3352, 0.2241



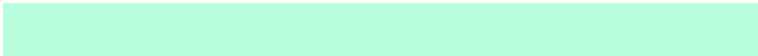
64.1710, 0.4860, 0.3179

Sweetspot

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



64.1736, 0.2680, 0.4813



86.9167, 0.2887, 0.3659



66.6286, 0.3368, 0.5675



18.2669, 0.2854, 0.3726



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.



64.1736, 0.2680, 0.4813



73.2954, 0.2702, 0.4926



66.5317, 0.2240, 0.3239



17.7973, 0.3043, 0.3402



34.9943, 0.2693, 0.4893



2.9313, 0.2629, 0.4665

Inverse Universe

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



20.2311, 0.4977, 0.2549



22.5937, 0.5144, 0.2607



19.0228, 0.6306, 0.3309



15.8817, 0.3220, 0.3180



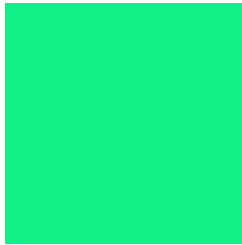
10.8086, 0.5098, 0.2582



0.9191, 0.4785, 0.2410

Previews

White Background



This preview shows how the Yxy color 64.1710, 0.2680, 0.4813 looks on a white background.

Color Contrast Check

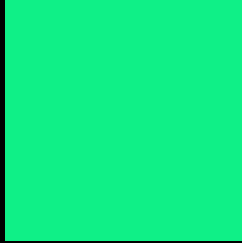
Large Text (above 18pt) WCAG AA × Fail

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 64.1710, 0.2680, 0.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

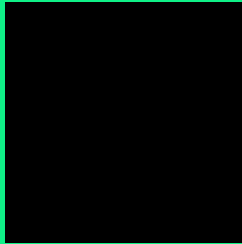
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1710, 0.2680, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 64.1710, 0.2680, 0.4813.

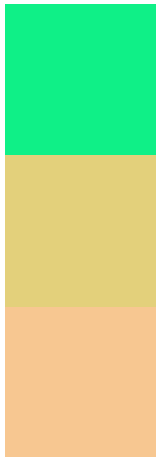


This preview shows how white text looks on a background with the Yxy color 64.1710, 0.2680, 0.4813.

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

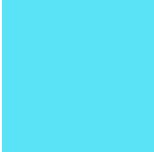
64.1710, 0.2680, 0.4813

Protanopia

62.8727, 0.3893, 0.4234

Deuteranopia

62.6653, 0.3942, 0.3866



Tritanopia

63.7657, 0.2312, 0.3050

Trichromacy



Original Color

64.1710, 0.2680, 0.4813



Protanomaly

59.2027, 0.3219, 0.4537



Deuteranomaly

57.8028, 0.3237, 0.4256



Tritanomaly

63.2262, 0.2421, 0.3641

Monochromacy



Original Color

64.1710, 0.2680, 0.4813



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.2821, 0.2781, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1710, 0.2680, 0.4813 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(15, 240, 135)` looks like.

```
.text, #text, p{  
    color:rgb(15, 240, 135)  
}
```

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(15, 240, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 240, 135) }
```

Border

The CSS property to change the border of an element to Yxy 64.1710, 0.2680, 0.4813 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(15, 240, 135) }
```

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

```
.border{ border-color:rgb(15, 240, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 240, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 240, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 240, 135);  
box-shadow:4px 4px 4px 4px rgb(15, 240,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1710, 0.2680, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 240, 135) }
```

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

```
.background{ background-color: rgb(15, 240,  
135) }
```

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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