

Converting Colors

$Y_{xy}(64.3159, 0.2655, 0.4759)$

Have a look what the booklet for
Yxy(64.3159, 0.2655, 0.4759)
contains.

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Color

Yxy(64.1843, 0.2655, 0.4757)

Conversions

Conversions Part 1

Format	Color
Hex	00F08B
RGB	0, 240, 139
RGB Percent	0%, 94%, 55%
CMY	0.9983, 0.0588, 0.4550
CMYK	1.00, 0.00, 0.42, 0.06
HSL	155°, 100%, 47%
HSV	155°, 100%, 94%
XYZ	35.8229, 64.1843, 34.9188
YIQ	156.7260, -110.6190, -82.2910

Conversions

Conversions Part 2

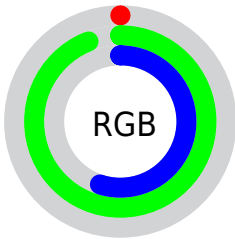
Format	Color
RYB	0, 152, 240
Decimal	61579
CIELab	84.06, -70.13, 35.62
CIELCh	84, 78.659, 153.072
Yxy	64.1843, 0.2655, 0.4757
Android (android.graphics.Color)	4278251659 (0xFF00F08B)
YUV	156.7260, -8.7389, -137.4487
Hunter-Lab	80.1151, -60.3865, 30.2385

Details

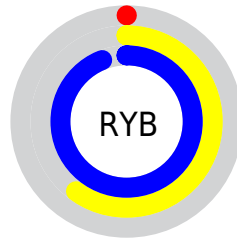
The Yxy color **64.1843, 0.2655, 0.4757** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **19.4829, 0.5324, 0.2707**, and the grayscale version is **33.7239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7498, 0.2683, 0.4068**, and **34.1440, 0.2744, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **64.1789, 0.2656, 0.4760**, and if you desaturate by 10%, it is **64.6932, 0.2629, 0.4598**.

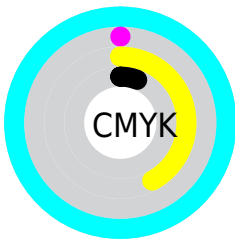
Distribution



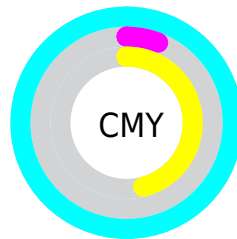
- Red (0%)
- Green (94%)
- Blue (55%)



- Red (0%)
- Yellow (60%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1843, 0.2655, 0.4757 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 64.1843, 0.2655, 0.4757 by changing the saturation by 10% instead.

 64.1843, 0.2655,
0.4757


 64.1843, 0.2655,
0.4757


439.8549, 0.2909,
0.4004

 46.8000, 0.2587,
0.4948


 110.8763, 0.2751,
0.4480

 32.8775, 0.2497,
0.5194


 140.9528, 0.2786,
0.4377


 22.0327, 0.2374,
0.5519


 176.0287, 0.2815,
0.4290

 13.8809, 0.2198,
0.5967

 216.4886, 0.2840,
0.4216

 8.0379, 0.1932,
0.6610

 262.7168, 0.2861,
0.4152

 4.1192, 0.1533,
0.7701

315.0976, 0.2879,

 1.7405, 0.0000,

0.4096

1.0000

374.0155, 0.2895,
0.4047

■ 0.4496, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1843, 0.2655,
0.4757

■ 64.1843, 0.2655,
0.4757

■ 64.1789, 0.2656,
0.4760

■ 64.6932, 0.2629,
0.4598

■ 65.4702, 0.2620,
0.4434

■ 66.5921, 0.2631,
0.4268

■ 68.1039, 0.2663,
0.4102

■ 70.0435, 0.2713,
0.3941

■ 72.4444, 0.2778,
0.3789

■ 75.3364, 0.2856,
0.3646

■ 78.7468, 0.2942,
0.3515

■ 82.7010, 0.3034,
0.3395

Harmonies

Analogous

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



64.1843, 0.3557, 0.5126



64.1843, 0.2655, 0.4757



64.1843, 0.1933, 0.3717

Triad

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



64.1843, 0.2655, 0.4757



64.1843, 0.1835, 0.1875



64.1843, 0.4991, 0.3427

Complementary

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



64.1843, 0.2655, 0.4757



19.4829, 0.5324, 0.2707

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.



64.1843, 0.4384, 0.2793



64.1843, 0.2655, 0.4757



64.1843, 0.2459, 0.1946

Square

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



64.1843, 0.2655, 0.4757



64.1843, 0.1541, 0.2099



64.1843, 0.3390, 0.2270



64.1843, 0.4956, 0.4109

Rectangle

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



64.1843, 0.2655, 0.4757



64.1843, 0.1645, 0.3002



64.1843, 0.3390, 0.2270



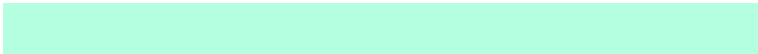
64.1843, 0.4856, 0.3208

Sweetspot

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



64.1869, 0.2655, 0.4757



86.3581, 0.2854, 0.3650



65.2790, 0.3270, 0.5785



18.1700, 0.2820, 0.3709



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

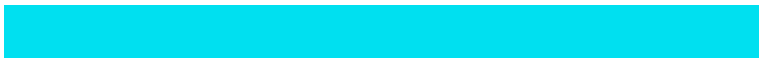
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1869, 0.2655, 0.4757



73.6416, 0.2657, 0.4765



59.6209, 0.2188, 0.3078



17.8097, 0.3037, 0.3391



35.1595, 0.2648, 0.4734



2.9448, 0.2590, 0.4524

Inverse Universe

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



19.4829, 0.5324, 0.2707



22.3326, 0.5336, 0.2713



18.9088, 0.6361, 0.3329



15.8694, 0.3227, 0.3191



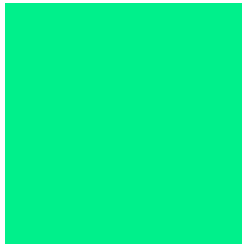
10.6827, 0.5288, 0.2687



0.9082, 0.4950, 0.2500

Previews

White Background



This preview shows how the Yxy color 64.1843, 0.2655, 0.4757 looks on a white background.

Color Contrast Check

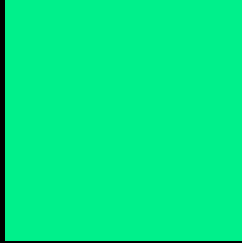
Large Text (above 18pt) WCAG AA × Fail

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 64.1843, 0.2655, 0.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

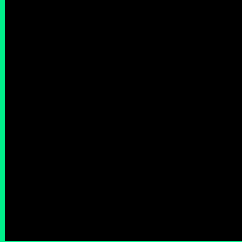
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1843, 0.2655, 0.4757

Background



This preview shows how black text looks on a background with the Yxy color 64.1843, 0.2655, 0.4757.

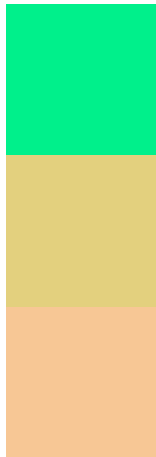


This preview shows how white text looks on a background with the Yxy color 64.1843, 0.2655, 0.4757.

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

64.1843, 0.2655, 0.4757

Protanopia

62.9490, 0.3872, 0.4203

Deuteranopia

62.7909, 0.3911, 0.3825



Tritanopia

64.2153, 0.2309, 0.3063

Trichromacy



Original Color

64.1843, 0.2655, 0.4757



Protanomaly

58.8448, 0.3161, 0.4497



Deuteranomaly

57.3056, 0.3168, 0.4215



Tritanomaly

63.0590, 0.2402, 0.3628

Monochromacy



Original Color

64.1843, 0.2655, 0.4757



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

40.4520, 0.2740, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1843, 0.2655, 0.4757 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, 240, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 139)  
}
```

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, 240, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 139) }
```

Border

The CSS property to change the border of an element to Yxy 64.1843, 0.2655, 0.4757 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, 240, 139) }
```

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

```
.border{ border-color:rgb(0, 240, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1843, 0.2655, 0.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 139) }
```

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

```
.background{ background-color: rgb(0, 240,  
139) }
```

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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