

Converting Colors

$Yxy(67.7963, 0.2612, 0.4550)$

Have a look what the booklet for
Yxy(67.7963, 0.2612, 0.4550)
contains.

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Color

Yxy(67.8757, 0.2610, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	16F59C
RGB	22, 245, 156
RGB Percent	9%, 96%, 61%
CMY	0.9135, 0.0392, 0.3881
CMYK	0.91, 0.00, 0.36, 0.04
HSL	156°, 92%, 52%
HSV	156°, 91%, 96%
XYZ	38.9867, 67.8757, 42.5119
YIQ	168.1770, -104.3390, -74.9550

Conversions

Conversions Part 2

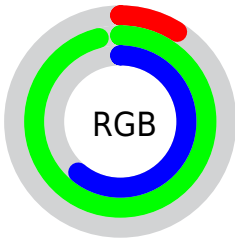
Format	Color
R_{YB}	22, 161, 245
Decimal	1504668
CIE _{Lab}	85.94, -67.91, 29.59
CIE _{LCh}	86, 74.077, 156.458
Yxy	67.8757, 0.2610, 0.4544
Android (android.graphics.Color)	4279694748 (0xFF16F59C)
YUV	168.1770, -6.0033, -128.1972
Hunter-Lab	82.3867, -59.7077, 27.0768

Details

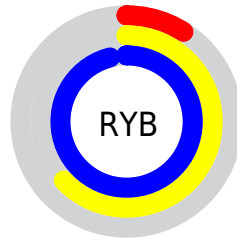
The Yxy color **67.8757, 0.2610, 0.4544** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **21.1370, 0.5171, 0.2678**, and the grayscale version is **39.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0051, 0.2624, 0.3827**, and **36.5401, 0.2671, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **67.4196, 0.2633, 0.4680**, and if you desaturate by 10%, it is **68.6458, 0.2600, 0.4389**.

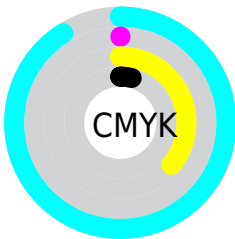
Distribution



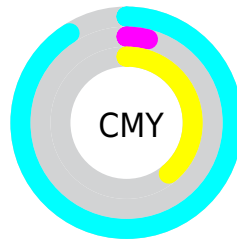
- Red (9%)
- Green (96%)
- Blue (61%)



- Red (9%)
- Yellow (63%)
- Blue (96%)



- Cyan (91%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)




- Cyan (91%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8757, 0.2610, 0.4544 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 67.8757, 0.2610, 0.4544 by changing the saturation by 10% instead.


 67.8757, 0.2610,
0.4544


 67.8757, 0.2610,
0.4544


453.0555, 0.2875,
0.3911

 49.7966, 0.2543,
0.4702


 116.1743, 0.2707,
0.4313


 35.2518, 0.2457,
0.4905


 147.1626, 0.2743,
0.4227


 23.8569, 0.2342,
0.5172

 183.2228, 0.2774,
0.4154

 15.2275, 0.2182,
0.5539

 224.7392, 0.2800,
0.4091

 8.9792, 0.1950,
0.6067

 272.0963, 0.2822,
0.4037

 4.7276, 0.1589,
0.6868

325.6785, 0.2842,

 2.0884, 0.0094,

0.3989

0.9906

385.8701, 0.2859,
0.3948

■ 0.6581, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8757, 0.2610,
0.4544

■ 67.8757, 0.2610,
0.4544


■ 67.4196, 0.2633,
0.4680

■ 68.6458, 0.2600,
0.4389


■ 69.7658, 0.2611,
0.4231


■ 71.2868, 0.2642,
0.4075


■ 73.2494, 0.2692,
0.3923

 75.6892, 0.2758,
0.3778

 78.6378, 0.2837,
0.3642

 82.1241, 0.2925,
0.3517

 86.1750, 0.3019,
0.3402

 90.8152, 0.3117,
0.3300

Harmonies

Analogous

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



67.8757, 0.3450, 0.4983



67.8757, 0.2610, 0.4544



67.8757, 0.1959, 0.3572

Triad

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



67.8757, 0.2610, 0.4544



67.8757, 0.1966, 0.1955



67.8757, 0.4883, 0.3508

Complementary

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



67.8757, 0.2610, 0.4544



21.1370, 0.5171, 0.2678

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.



67.8757, 0.4379, 0.2895



67.8757, 0.2610, 0.4544



67.8757, 0.2594, 0.2049

Square

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



67.8757, 0.2610, 0.4544



67.8757, 0.1650, 0.2140



67.8757, 0.3483, 0.2381



67.8757, 0.4801, 0.4154

Rectangle

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



67.8757, 0.2610, 0.4544



67.8757, 0.1708, 0.2936



67.8757, 0.3483, 0.2381



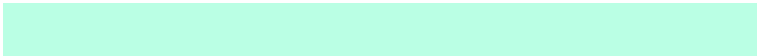
67.8757, 0.4778, 0.3298

Sweetspot

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



67.8784, 0.2610, 0.4544



87.5530, 0.2871, 0.3591



68.7587, 0.3279, 0.5725



18.4726, 0.2841, 0.3635



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.



67.8784, 0.2610, 0.4544



73.8278, 0.2634, 0.4683



59.3829, 0.2177, 0.2998



18.6393, 0.3034, 0.3386



36.3479, 0.2626, 0.4655



3.2149, 0.2574, 0.4465

Inverse Universe

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



21.1370, 0.5171, 0.2678



22.2146, 0.5430, 0.2765



21.2985, 0.6160, 0.3389



16.5921, 0.3231, 0.3196



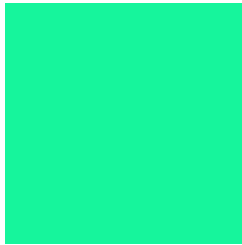
10.9562, 0.5383, 0.2739



0.9826, 0.5052, 0.2556

Previews

White Background



This preview shows how the Yxy color 67.8757, 0.2610, 0.4544 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 67.8757, 0.2610, 0.4544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

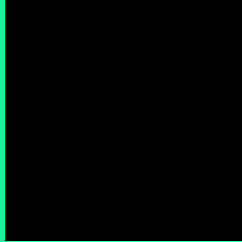
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8757, 0.2610, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 67.8757, 0.2610, 0.4544.

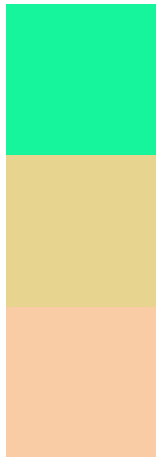


This preview shows how white text looks on a background with the Yxy color 67.8757, 0.2610, 0.4544.

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

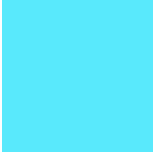
67.8757, 0.2610, 0.4544

Protanopia

66.5606, 0.3766, 0.4062

Deuteranopia

66.0421, 0.3783, 0.3704



Tritanopia

67.4299, 0.2303, 0.3055

Trichromacy



Original Color

67.8757, 0.2610, 0.4544



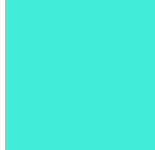
Protanomaly

62.9571, 0.3125, 0.4297



Deuteranomaly

61.3787, 0.3120, 0.4025



Tritanomaly

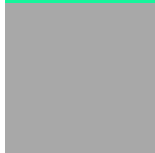
66.7019, 0.2395, 0.3551

Monochromacy



Original Color

67.8757, 0.2610, 0.4544



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.8050, 0.2758, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8757, 0.2610, 0.4544 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(22, 245, 156)` looks like.

```
.text, #text, p{  
    color:rgb(22, 245, 156)  
}
```

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(22, 245, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 245, 156) }
```

Border

The CSS property to change the border of an element to Yxy 67.8757, 0.2610, 0.4544 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(22, 245, 156) }
```

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

```
.border{ border-color:rgb(22, 245, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 245, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 245, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 245, 156);  
box-shadow:4px 4px 4px 4px rgb(22, 245,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8757, 0.2610, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 245, 156) }
```

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

```
.background{ background-color: rgb(22, 245,  
156) }
```

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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