

Converting Colors

Yxy(67.9916, 0.2592, 0.4485)

Have a look what the booklet for
Yxy(67.9916, 0.2592, 0.4485)
contains.

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Color

Yxy(68.0023, 0.2592, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	15F5A0
RGB	21, 245, 160
RGB Percent	8%, 96%, 63%
CMY	0.9195, 0.0392, 0.3725
CMYK	0.92, 0.00, 0.35, 0.04
HSL	157°, 92%, 52%
HSV	157°, 92%, 96%
XYZ	39.3003, 68.0023, 44.3190
YIQ	168.3340, -106.2190, -73.9230

Conversions

Conversions Part 2

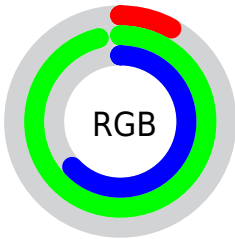
Format	Color
R_{YB}	21, 159, 245
Decimal	1439136
CIE _{Lab}	86.01, -67.19, 27.66
CIE _{LCh}	86, 72.660, 157.628
Yxy	68.0023, 0.2592, 0.4485
Android (android.graphics.Color)	4279629216 (0xFF15F5A0)
YUV	168.3340, -4.1087, -129.2119
Hunter-Lab	82.4635, -59.2419, 25.8598

Details

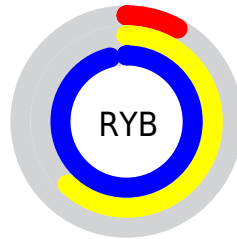
The Yxy color **68.0023, 0.2592, 0.4485** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **20.9646, 0.5268, 0.2727**, and the grayscale version is **39.3218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1393, 0.2602, 0.3776**, and **36.6234, 0.2650, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **67.5870, 0.2613, 0.4605**, and if you desaturate by 10%, it is **68.7462, 0.2583, 0.4338**.

Distribution



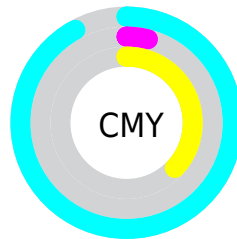
- Red (8%)
- Green (96%)
- Blue (63%)



- Red (8%)
- Yellow (62%)
- Blue (96%)



- Cyan (92%)
- Magenta (0%)
- Yellow (35%)
- Black (4%)




- Cyan (92%)
- Magenta (4%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0023, 0.2592, 0.4485 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 68.0023, 0.2592, 0.4485 by changing the saturation by 10% instead.


 68.0023, 0.2592,
0.4485

 68.0023, 0.2592,
0.4485


453.5042, 0.2863,
0.3883


 49.8996, 0.2524,
0.4635


 116.3554, 0.2691,
0.4266


 35.3336, 0.2437,
0.4827


 147.3747, 0.2728,
0.4184

 23.9200, 0.2323,
0.5080

 183.4682, 0.2759,
0.4114

 15.2743, 0.2164,
0.5428

 225.0204, 0.2786,
0.4055

 9.0121, 0.1935,
0.5929

 272.4157, 0.2809,
0.4003

 4.7491, 0.1583,
0.6695


326.0385, 0.2829,

 2.1008, 0.0206,


0.3958


0.9794


386.2732, 0.2847,
0.3918

 0.6651, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.0023, 0.2592,
0.4485


 68.0023, 0.2592,
0.4485

 67.5870, 0.2613,
0.4605


 68.7462, 0.2583,
0.4338

 69.8341, 0.2594,
0.4189

 71.3178, 0.2626,
0.4041


 73.2381, 0.2676,
0.3897

 75.6307, 0.2743,
0.3760

 78.5275, 0.2823,
0.3631

 81.9574, 0.2913,
0.3512

 85.9473, 0.3010,
0.3403

 90.5220, 0.3111,
0.3305

Harmonies

Analogous

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



68.0023, 0.3416, 0.4945



68.0023, 0.2592, 0.4485



68.0023, 0.1961, 0.3529

Triad

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



68.0023, 0.2592, 0.4485



68.0023, 0.2003, 0.1975



68.0023, 0.4858, 0.3534

Complementary

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



68.0023, 0.2592, 0.4485



20.9646, 0.5268, 0.2727

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.



68.0023, 0.4384, 0.2926



68.0023, 0.2592, 0.4485



68.0023, 0.2635, 0.2077

Square

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



68.0023, 0.2592, 0.4485



68.0023, 0.1680, 0.2148



68.0023, 0.3514, 0.2413



68.0023, 0.4759, 0.4170

Rectangle

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



68.0023, 0.2592, 0.4485



68.0023, 0.1722, 0.2913



68.0023, 0.3514, 0.2413



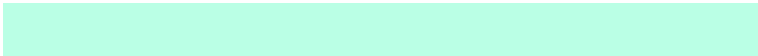
68.0023, 0.4762, 0.3325

Sweetspot

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



68.0050, 0.2592, 0.4485



87.6312, 0.2863, 0.3575



68.4644, 0.3257, 0.5747



18.4911, 0.2833, 0.3617



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.



68.0050, 0.2592, 0.4485



74.0042, 0.2613, 0.4608



57.3181, 0.2161, 0.2945



18.6452, 0.3031, 0.3381



36.4343, 0.2606, 0.4582



3.2222, 0.2556, 0.4401

Inverse Universe

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



20.9646, 0.5268, 0.2727



22.1147, 0.5514, 0.2811



21.4778, 0.6152, 0.3406



16.5863, 0.3234, 0.3201



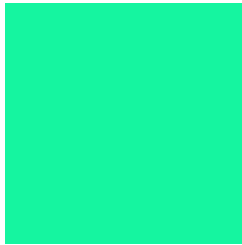
10.9062, 0.5466, 0.2785



0.9779, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 68.0023, 0.2592, 0.4485 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 68.0023, 0.2592, 0.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

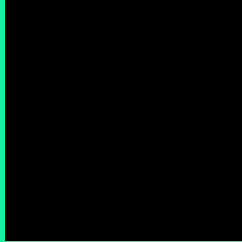
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0023, 0.2592, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 68.0023, 0.2592, 0.4485.

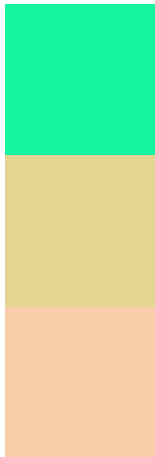


This preview shows how white text looks on a background with the Yxy color 68.0023, 0.2592, 0.4485.

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

68.0023, 0.2592, 0.4485

Protanopia

66.4868, 0.3737, 0.4032

Deuteranopia

66.4837, 0.3741, 0.3673



Tritanopia

67.9637, 0.2297, 0.3056

Trichromacy



Original Color

68.0023, 0.2592, 0.4485



Protanomaly

62.9548, 0.3101, 0.4259



Deuteranomaly

61.9389, 0.3088, 0.3985



Tritanomaly

67.3203, 0.2386, 0.3537

Monochromacy



Original Color

68.0023, 0.2592, 0.4485



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.7739, 0.2745, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0023, 0.2592, 0.4485 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(21, 245, 160)` looks like.

```
.text, #text, p{  
    color:rgb(21, 245, 160)  
}
```

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(21, 245, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 245, 160) }
```

Border

The CSS property to change the border of an element to Yxy 68.0023, 0.2592, 0.4485 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(21, 245, 160) }
```

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

```
.border{ border-color:rgb(21, 245, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 245, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 245, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 245, 160);  
box-shadow:4px 4px 4px 4px rgb(21, 245,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0023, 0.2592, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 245, 160) }
```

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

```
.background{ background-color: rgb(21, 245,  
160) }
```

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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