

Converting Colors

Yxy(67.4171, 0.2631, 0.4651)

Have a look what the booklet for
Yxy(67.4171, 0.2631, 0.4651)
contains.

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Color

Yxy(67.5393, 0.2631, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	0AF595
RGB	10, 245, 149
RGB Percent	4%, 96%, 58%
CMY	0.9620, 0.0392, 0.4158
CMYK	0.96, 0.00, 0.39, 0.04
HSL	156°, 92%, 50%
HSV	156°, 96%, 96%
XYZ	38.1977, 67.5393, 39.4463
YIQ	163.7910, -109.2440, -79.6760

Conversions

Conversions Part 2

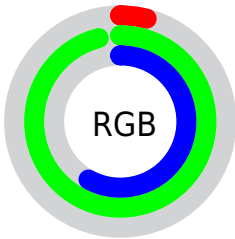
Format	Color
R_{YB}	10, 158, 245
Decimal	718229
CIE _{Lab}	85.78, -69.71, 32.90
CIE _{LCh}	86, 77.081, 154.734
Yxy	67.5393, 0.2631, 0.4652
Android (android.graphics.Color)	4278908309 (0xFF0AF595)
YUV	163.7910, -7.2920, -134.8747
Hunter-Lab	82.1823, -60.8535, 29.0693

Details

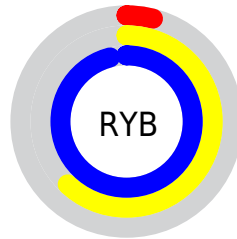
The Yxy color **67.5393, 0.2631, 0.4652** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.6595, 0.5279, 0.2703**, and the grayscale version is **37.0493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4570, 0.2644, 0.3920**, and **36.4037, 0.2707, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **67.3552, 0.2642, 0.4712**, and if you desaturate by 10%, it is **68.1560, 0.2611, 0.4496**.

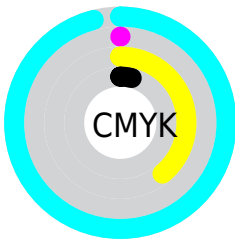
Distribution



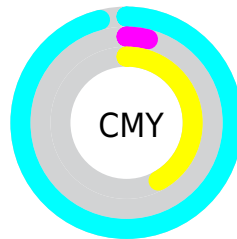
- Red (4%)
- Green (96%)
- Blue (58%)



- Red (4%)
- Yellow (62%)
- Blue (96%)



- Cyan (96%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)





- Cyan (96%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5393, 0.2631, 0.4652 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 67.5393, 0.2631, 0.4652 by changing the saturation by 10% instead.


 67.5393, 0.2631,
0.4652


 67.5393, 0.2631,
0.4652


451.8620, 0.2890,
0.3961

 49.5230, 0.2564,
0.4825


 115.6928, 0.2727,
0.4400


 35.0346, 0.2477,
0.5047


 146.5989, 0.2763,
0.4305


 23.6895, 0.2360,
0.5340


 182.5703, 0.2793,
0.4225

 15.1034, 0.2195,
0.5741

 223.9915, 0.2818,
0.4157

 8.8920, 0.1952,
0.6316

 271.2469, 0.2840,
0.4098

 4.6708, 0.1572,
0.7186


324.7208, 0.2859,

 2.0554, 0.0000,


0.4046


1.0000


384.7977, 0.2875,
0.4001


 0.6394, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.5393, 0.2631,
0.4652


 67.5393, 0.2631,
0.4652


 67.3552, 0.2642,
0.4712

 68.1560, 0.2611,
0.4496


 69.0944, 0.2610,
0.4336

 70.4118, 0.2631,
0.4174

 72.1524, 0.2671,
0.4016

 74.3540, 0.2728,
0.3863

 77.0502, 0.2800,
0.3719

 80.2711, 0.2883,
0.3585

 84.0447, 0.2973,
0.3462

 88.3968, 0.3068,
0.3351

Harmonies

Analogous

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



67.5393, 0.3504, 0.5059



67.5393, 0.2631, 0.4652



67.5393, 0.1943, 0.3643

Triad

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



67.5393, 0.2631, 0.4652



67.5393, 0.1898, 0.1913



67.5393, 0.4941, 0.3468

Complementary

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



67.5393, 0.2631, 0.4652



20.6595, 0.5279, 0.2703

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.



67.5393, 0.4385, 0.2843



67.5393, 0.2631, 0.4652



67.5393, 0.2526, 0.1996

Square

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



67.5393, 0.2631, 0.4652



67.5393, 0.1593, 0.2118



67.5393, 0.3438, 0.2324



67.5393, 0.4881, 0.4134

Rectangle

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



67.5393, 0.2631, 0.4652



67.5393, 0.1674, 0.2967



67.5393, 0.3438, 0.2324



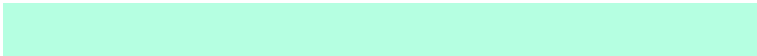
67.5393, 0.4821, 0.3253

Sweetspot

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



67.5420, 0.2631, 0.4652



86.7763, 0.2857, 0.3624



68.5035, 0.3271, 0.5765



18.2519, 0.2821, 0.3682



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.



67.5420, 0.2631, 0.4652



73.7522, 0.2643, 0.4716



60.7223, 0.2180, 0.3033



18.6367, 0.3035, 0.3388



36.3108, 0.2635, 0.4688



3.2117, 0.2582, 0.4493

Inverse Universe

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



20.6595, 0.5279, 0.2703



22.2608, 0.5393, 0.2745



20.3290, 0.6289, 0.3350



16.5946, 0.3229, 0.3194



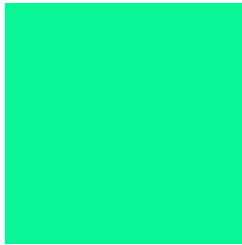
10.9793, 0.5346, 0.2719



0.9848, 0.5018, 0.2538

Previews

White Background



This preview shows how the Yxy color 67.5393, 0.2631, 0.4652 looks on a white background.

Color Contrast Check

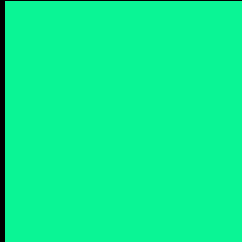
Large Text (above 18pt) WCAG AA × Fail

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 67.5393, 0.2631, 0.4652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

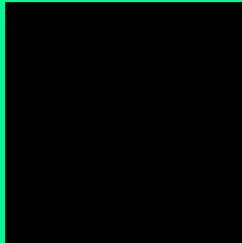
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5393, 0.2631, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 67.5393, 0.2631, 0.4652.

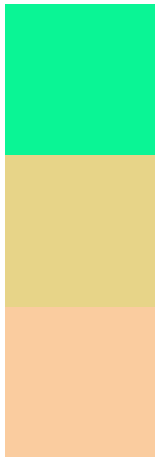


This preview shows how white text looks on a background with the Yxy color 67.5393, 0.2631, 0.4652.

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

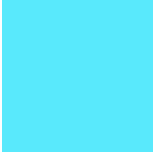
67.5393, 0.2631, 0.4652

Protanopia

65.8535, 0.3819, 0.4126

Deuteranopia

66.0129, 0.3838, 0.3766



Tritanopia

67.4299, 0.2303, 0.3055

Trichromacy



Original Color

67.5393, 0.2631, 0.4652



Protanomaly

61.8137, 0.3140, 0.4389



Deuteranomaly

60.8161, 0.3143, 0.4124



Tritanomaly

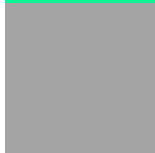
66.4353, 0.2393, 0.3579

Monochromacy



Original Color

67.5393, 0.2631, 0.4652



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.8313, 0.2742, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5393, 0.2631, 0.4652 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(10, 245, 149)` looks like.

```
.text, #text, p{  
    color:rgb(10, 245, 149)  
}
```

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(10, 245, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 245, 149) }
```

Border

The CSS property to change the border of an element to Yxy 67.5393, 0.2631, 0.4652 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(10, 245, 149) }
```

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

```
.border{ border-color:rgb(10, 245, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 245, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 245, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 245, 149);  
box-shadow:4px 4px 4px 4px rgb(10, 245,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5393, 0.2631, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 245, 149) }
```

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

```
.background{ background-color: rgb(10, 245,  
149) }
```

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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