

Converting Colors

$Y_{xy}(66.3955, 0.2892, 0.5432)$

Have a look what the booklet for
Yxy(66.3955, 0.2892, 0.5432)
contains.

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Color

Yxy(66.5183, 0.2894, 0.5437)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2AF559 |
| RGB | 42, 245, 89 |
| RGB Percent | 16%, 96%, 35% |
| CMY | 0.8357, 0.0392, 0.6511 |
| CMYK | 0.83, 0.00, 0.64, 0.04 |
| HSL | 134°, 91%, 56% |
| HSV | 134°, 83%, 96% |
| XYZ | 35.4063, 66.5183, 20.4192 |
| YIQ | 166.5190, -70.9120, -91.5520 |

Conversions

Conversions Part 2

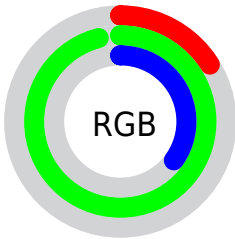
| Format | Color |
|-------------------------------------|----------------------------------|
| R_{YB} | 42, 207, 245 |
| Decimal | 2815321 |
| CIE _{Lab} | 85.26, -76.70, 60.11 |
| CIE _{LCh} | 85, 97.449, 141.916 |
| Yxy | 66.5183, 0.2894, 0.5437 |
| Android (android.graphics.Color) | 4281005401 (0xFF2AF559) |
| YUV | 166.5190, -38.2169, -109.2032 |
| Hunter-Lab | 81.5588, -65.2374, 42.2472 |

Details

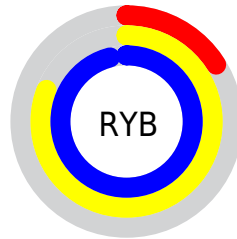
The Yxy color **66.5183, 0.2894, 0.5437** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **25.1359, 0.3759, 0.1941**, and the grayscale version is **38.5972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8936, 0.2967, 0.4693**, and **35.6294, 0.2963, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **65.8771, 0.2916, 0.5649**, and if you desaturate by 10%, it is **67.5606, 0.2886, 0.5182**.

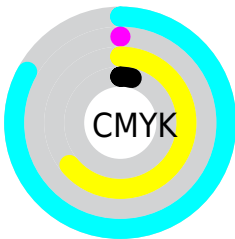
Distribution



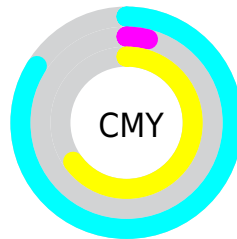
- Red (16%)
- Green (96%)
- Blue (35%)



- Red (16%)
- Yellow (81%)
- Blue (96%)



- Cyan (83%)
- Magenta (0%)
- Yellow (64%)
- Black (4%)





- Cyan (84%)
- Magenta (4%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5183, 0.2894, 0.5437 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 66.5183, 0.2894, 0.5437 by changing the saturation by 10% instead.


 66.5183, 0.2894,
0.5437


 66.5183, 0.2894,
0.5437


448.2282, 0.3077,
0.4339


 48.6933, 0.2829,
0.5705

 114.2299, 0.2976,
0.5040

 34.3762, 0.2735,
0.6041


 144.8853, 0.3002,
0.4889

 23.1828, 0.2596,
0.6466


 180.5862, 0.3022,
0.4762

 14.7285, 0.2380,
0.7010

 221.7171, 0.3038,
0.4653

 8.6291, 0.2082,
0.7874

268.6624, 0.3051,
0.4559

 4.5000, 0.1486,
0.8514

321.8064, 0.3061,

 1.9570, 0.0000,

0.4476

1.0000

381.5335, 0.3070,
0.4404

■ 0.5823, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5183, 0.2894,
0.5437

■ 66.5183, 0.2894,
0.5437

■ 65.8771, 0.2916,
0.5649

■ 67.5606, 0.2886,
0.5182

■ 65.6035, 0.2936,
0.5768


■ 69.0514, 0.2892,
0.4899

■ 71.0398, 0.2912,
0.4605


■ 73.5664, 0.2942,
0.4314

 76.6673, 0.2980,
0.4037

 80.3756, 0.3023,
0.3781

 84.7218, 0.3068,
0.3550

 89.7342, 0.3114,
0.3345

 93.7901, 0.3132,
0.3194

Harmonies

Analogous

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



66.5183, 0.3948, 0.5393



66.5183, 0.2894, 0.5437



66.5183, 0.1952, 0.4345

Triad

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



66.5183, 0.2894, 0.5437



66.5183, 0.1454, 0.1684



66.5183, 0.5205, 0.3113

Complementary

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



66.5183, 0.2894, 0.5437



25.1359, 0.3759, 0.1941

Split Complementary

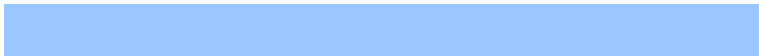
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5183, 0.4224, 0.2441



66.5183, 0.2894, 0.5437



66.5183, 0.2009, 0.1662

Square

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



66.5183, 0.2894, 0.5437



66.5183, 0.1255, 0.2059



66.5183, 0.2977, 0.1927



66.5183, 0.5401, 0.3859

Rectangle

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



66.5183, 0.2894, 0.5437



66.5183, 0.1531, 0.3374



66.5183, 0.2977, 0.1927



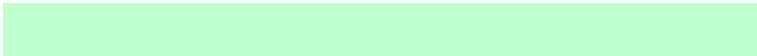
66.5183, 0.4950, 0.2879

Sweetspot

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



66.5210, 0.2894, 0.5437



87.0865, 0.3014, 0.3834



77.8940, 0.3830, 0.5219



18.3285, 0.2998, 0.3923



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.



66.5210, 0.2894, 0.5437



71.8742, 0.2934, 0.5756



69.4076, 0.2501, 0.4072



18.5350, 0.3084, 0.3477



35.3566, 0.2929, 0.5743



3.1227, 0.2865, 0.5513

Inverse Universe

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



25.1359, 0.3759, 0.1941



25.3225, 0.3906, 0.1929



21.9717, 0.5311, 0.2863



16.6987, 0.3173, 0.3110



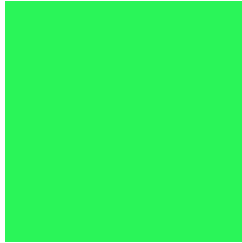
12.4409, 0.3899, 0.1922



1.1090, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 66.5183, 0.2894, 0.5437 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 66.5183, 0.2894, 0.5437 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 66.5183, 0.2894, 0.5437

Background



This preview shows how black text looks on a background with the Yxy color 66.5183, 0.2894, 0.5437.

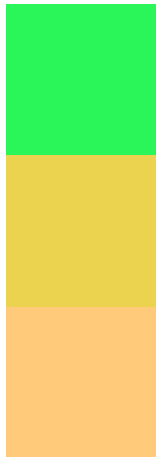


This preview shows how white text looks on a background with the Yxy color 66.5183, 0.2894, 0.5437.

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

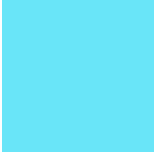
66.5183, 0.2894, 0.5437

Protanopia

64.8152, 0.4194, 0.4611

Deuteranopia

64.8815, 0.4170, 0.4111



Tritanopia

65.8192, 0.2357, 0.3055

Trichromacy



Original Color

66.5183, 0.2894, 0.5437



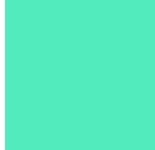
Protanomaly

61.3992, 0.3545, 0.5008



Deuteranomaly

60.7119, 0.3535, 0.4647



Tritanomaly

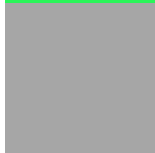
64.9282, 0.2553, 0.3901

Monochromacy



Original Color

66.5183, 0.2894, 0.5437



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.9301, 0.2963, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5183, 0.2894, 0.5437 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(42, 245, 89)` looks like.

```
.text, #text, p{  
    color:rgb(42, 245, 89)  
}
```

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(42, 245, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 245, 89) }
```

Border

The CSS property to change the border of an element to Yxy 66.5183, 0.2894, 0.5437 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(42, 245, 89) }
```

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

```
.border{ border-color:rgb(42, 245, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 245, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 245, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 245, 89);  
box-shadow:4px 4px 4px 4px rgb(42, 245,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5183, 0.2894, 0.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 245, 89) }
```

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

```
.background{ background-color: rgb(42, 245,  
89) }
```

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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