

Converting Colors

$Yxy(65.1434, 0.2934, 0.5445)$

Have a look what the booklet for
Yxy(65.1434, 0.2934, 0.5445)
contains.

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Color

Yxy(65.0009, 0.2935, 0.5448)

Conversions

Conversions Part 1

Format	Color
Hex	38F255
RGB	56, 242, 85
RGB Percent	22%, 95%, 33%
CMY	0.7808, 0.0509, 0.6667
CMYK	0.77, 0.00, 0.65, 0.05
HSL	129°, 88%, 58%
HSV	129°, 77%, 95%
XYZ	35.0179, 65.0009, 19.2927
YIQ	168.4880, -60.4590, -88.2590

Conversions

Conversions Part 2

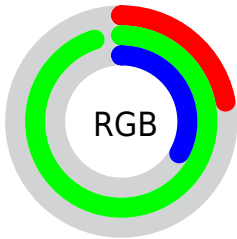
Format	Color
RYB	56, 217, 242
Decimal	3732053
CIELab	84.48, -74.68, 60.92
CIELCh	84, 96.372, 140.796
Yxy	65.0009, 0.2935, 0.5448
Android (android.graphics.Color)	4281922133 (0xFF38F255)
YUV	168.4880, -41.1596, -98.6520
Hunter-Lab	80.6231, -63.5606, 42.2484

Details

The Yxy color **65.0009, 0.2935, 0.5448** 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 **26.4967, 0.3526, 0.1867**, and the grayscale version is **39.6253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3190, 0.3020, 0.4729**, and **34.3428, 0.2973, 0.5904** is the 20% darker color. If you saturate the color by 10%, you get **64.1890, 0.2944, 0.5678**, and if you desaturate by 10%, it is **66.2481, 0.2937, 0.5169**.

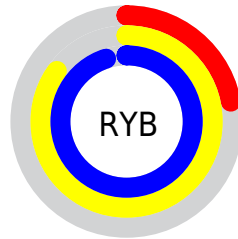
Distribution



Red (22%)

Green (95%)

Blue (33%)



Red (22%)

Yellow (85%)

Blue (95%)

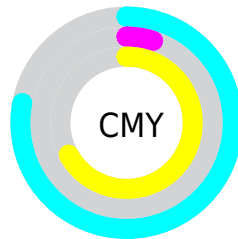


Cyan (77%)

Magenta (0%)

Yellow (65%)

Black (5%)



Cyan (78%)


Magenta (5%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0009, 0.2935, 0.5448 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 65.0009, 0.2935, 0.5448 by changing the saturation by 10% instead.


 65.0009, 0.2935,
0.5448


 65.0009, 0.2935,
0.5448


442.7952, 0.3101,
0.4343


 47.4618, 0.2872,
0.5718


 112.0512, 0.3012,
0.5048


 33.4009, 0.2781,
0.6055

 142.3311, 0.3036,
0.4897

 22.4337, 0.2643,
0.6482

 177.6268, 0.3054,
0.4769

 14.1759, 0.2426,
0.7024

 218.3226, 0.3068,
0.4659

 8.2431, 0.2122,
0.7878

264.8030, 0.3079,
0.4564

 4.2509, 0.1505,
0.8495

317.4523, 0.3088,

 1.8149, 0.0000,

0.4481

1.0000

376.6549, 0.3095,
0.4408

■ 0.4964, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0009, 0.2935,
0.5448

■ 65.0009, 0.2935,
0.5448

■ 64.1890, 0.2944,
0.5678

■ 66.2481, 0.2937,
0.5169

■ 63.7415, 0.2963,
0.5845


■ 67.9729, 0.2950,
0.4860


■ 63.6490, 0.2968,
0.5884

■ 70.2209, 0.2972,
0.4542


■ 73.0307, 0.3000,
0.4232

 76.4367, 0.3033,
0.3940

 80.4709, 0.3068,
0.3674

 85.1628, 0.3103,
0.3437

 90.5402, 0.3138,
0.3228

 91.9901, 0.3133,
0.3166

Harmonies

Analogous

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



65.0009, 0.3986, 0.5368



65.0009, 0.2935, 0.5448



65.0009, 0.1985, 0.4396

Triad

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



65.0009, 0.2935, 0.5448



65.0009, 0.1445, 0.1695



65.0009, 0.5174, 0.3088

Complementary

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



65.0009, 0.2935, 0.5448



26.4967, 0.3526, 0.1867

Split Complementary

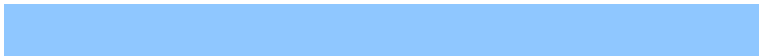
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.0009, 0.4175, 0.2421



65.0009, 0.2935, 0.5448



65.0009, 0.1984, 0.1662

Square

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



65.0009, 0.2935, 0.5448



65.0009, 0.1258, 0.2086



65.0009, 0.2934, 0.1916



65.0009, 0.5402, 0.3830

Rectangle

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



65.0009, 0.2935, 0.5448



65.0009, 0.1554, 0.3425



65.0009, 0.2934, 0.1916



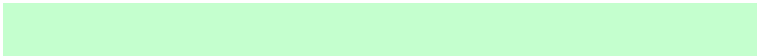
65.0009, 0.4910, 0.2855

Sweetspot

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



65.0036, 0.2935, 0.5448



87.7357, 0.3046, 0.3835



78.1047, 0.3912, 0.5073



18.4434, 0.3034, 0.3934



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.



65.0036, 0.2935, 0.5448



71.9691, 0.2953, 0.5776



67.5169, 0.2562, 0.4188



17.6967, 0.3094, 0.3495



34.2023, 0.2963, 0.5865



2.8573, 0.2905, 0.5658

Inverse Universe

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



26.4967, 0.3526, 0.1867



26.8533, 0.3615, 0.1791



23.0785, 0.4884, 0.2717



15.9865, 0.3162, 0.3093



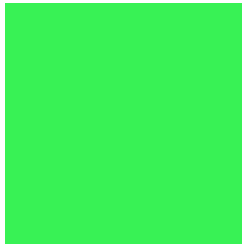
12.5040, 0.3648, 0.1783



1.0515, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 65.0009, 0.2935, 0.5448 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 65.0009, 0.2935, 0.5448 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 65.0009, 0.2935, 0.5448

Background



This preview shows how black text looks on a background with the Yxy color 65.0009, 0.2935, 0.5448.

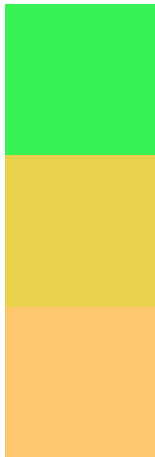


This preview shows how white text looks on a background with the Yxy color 65.0009, 0.2935, 0.5448.

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

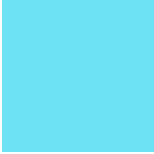
65.0009, 0.2935, 0.5448

Protanopia

63.4464, 0.4206, 0.4624

Deuteranopia

63.2110, 0.4269, 0.4189



Tritanopia

64.3003, 0.2380, 0.3054

Trichromacy



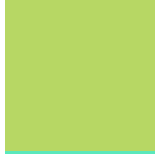
Original Color

65.0009, 0.2935, 0.5448



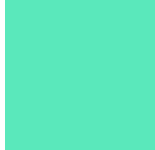
Protanomaly

60.7124, 0.3601, 0.5011



Deuteranomaly

59.5883, 0.3637, 0.4698



Tritanomaly

63.4747, 0.2586, 0.3905

Monochromacy



Original Color

65.0009, 0.2935, 0.5448



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.3772, 0.3006, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0009, 0.2935, 0.5448 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(56, 242, 85)` looks like.

```
.text, #text, p{  
    color:rgb(56, 242, 85)  
}
```

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(56, 242, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 242, 85) }
```

Border

The CSS property to change the border of an element to Yxy 65.0009, 0.2935, 0.5448 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(56, 242, 85) }
```

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

```
.border{ border-color:rgb(56, 242, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 242, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 242, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 242, 85);  
box-shadow:4px 4px 4px 4px rgb(56, 242,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0009, 0.2935, 0.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 242, 85) }
```

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

```
.background{ background-color: rgb(56, 242,  
85) }
```

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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