

Converting Colors

Yxy(67.6654, 0.2941, 0.5272)

Have a look what the booklet for
Yxy(67.6654, 0.2941, 0.5272)
contains.

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Color

Yxy(67.6615, 0.2941, 0.5275)

Conversions

Conversions Part 1

Format	Color
Hex	4AF563
RGB	74, 245, 99
RGB Percent	29%, 96%, 39%
CMY	0.7102, 0.0392, 0.6116
CMYK	0.70, 0.00, 0.60, 0.04
HSL	129°, 90%, 63%
HSV	129°, 70%, 96%
XYZ	37.7237, 67.6615, 22.8831
YIQ	177.2270, -55.0500, -81.6580

Conversions

Conversions Part 2

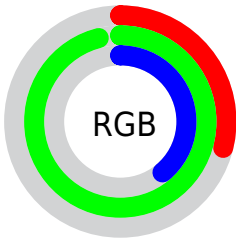
Format	Color
RYB	74, 223, 245
Decimal	4912483
CIELab	85.84, -71.50, 56.67
CIELCh	86, 91.239, 141.601
Yxy	67.6615, 0.2941, 0.5275
Android (android.graphics.Color)	4283102563 (0xFF4AF563)
YUV	177.2270, -38.5659, -90.5301
Hunter-Lab	82.2566, -62.0872, 41.0857

Details

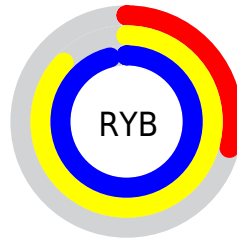
The Yxy color **67.6615, 0.2941, 0.5275** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **29.4589, 0.3465, 0.1926**, and the grayscale version is **44.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6927, 0.3011, 0.4534**, and **35.7151, 0.2930, 0.5747** is the 20% darker color. If you saturate the color by 10%, you get **66.5259, 0.2942, 0.5541**, and if you desaturate by 10%, it is **69.2844, 0.2951, 0.4972**.

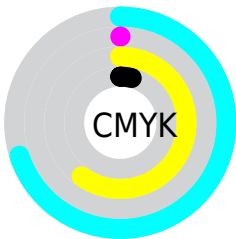
Distribution



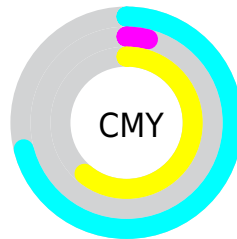
- Red (29%)
- Green (96%)
- Blue (39%)



- Red (29%)
- Yellow (87%)
- Blue (96%)



- Cyan (70%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)





- Cyan (71%)
- Magenta (4%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6615, 0.2941, 0.5275 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 67.6615, 0.2941, 0.5275 by changing the saturation by 10% instead.


 67.6615, 0.2941,
0.5275

 67.6615, 0.2941,
0.5275


452.2958, 0.3091,
0.4266

 49.6224, 0.2887,
0.5522


 115.8678, 0.3008,
0.4910

 35.1135, 0.2809,
0.5831


 146.8037, 0.3030,
0.4772

 23.7503, 0.2692,
0.6226


 182.8074, 0.3047,
0.4655

 15.1485, 0.2509,
0.6737

 224.2632, 0.3060,
0.4555

 8.9237, 0.2232,
0.7469

271.5556, 0.3070,
0.4468

 4.6914, 0.1728,
0.8272


325.0689, 0.3078,

 2.0674, 0.0000,


0.4392


1.0000


385.1875, 0.3085,
0.4325


 0.6462, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.6615, 0.2941,
0.5275


 67.6615, 0.2941,
0.5275


 66.5259, 0.2942,
0.5541


 69.2844, 0.2951,
0.4972

 65.8141, 0.2953,
0.5751


 71.4328, 0.2970,
0.4652


 65.4430, 0.2971,
0.5895


 74.1505, 0.2996,
0.4334


 65.4384, 0.2971,
0.5897

 77.4745, 0.3027,
0.4033

 81.4386, 0.3060,
0.3755

 86.0740, 0.3094,
0.3506

 91.4101, 0.3128,
0.3287

 93.7911, 0.3132,
0.3194

Harmonies

Analogous

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



67.6615, 0.3942, 0.5266



67.6615, 0.2941, 0.5275



67.6615, 0.2040, 0.4281

Triad

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



67.6615, 0.2941, 0.5275



67.6615, 0.1535, 0.1771



67.6615, 0.5061, 0.3134

Complementary

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



67.6615, 0.2941, 0.5275



29.4589, 0.3465, 0.1926

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.



67.6615, 0.4142, 0.2487



67.6615, 0.2941, 0.5275



67.6615, 0.2067, 0.1743

Square

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



67.6615, 0.2941, 0.5275



67.6615, 0.1347, 0.2145



67.6615, 0.2981, 0.1994



67.6615, 0.5272, 0.3854

Rectangle

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



67.6615, 0.2941, 0.5275



67.6615, 0.1629, 0.3393



67.6615, 0.2981, 0.1994



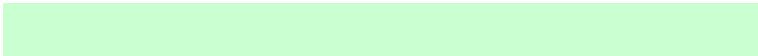
67.6615, 0.4819, 0.2908

Sweetspot

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



67.6643, 0.2941, 0.5275



88.6191, 0.3056, 0.3787



81.3645, 0.3901, 0.4954



18.7008, 0.3047, 0.3862



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.



67.6643, 0.2941, 0.5275



72.4586, 0.2946, 0.5640



70.1514, 0.2589, 0.4133



18.5117, 0.3096, 0.3498



35.2618, 0.2966, 0.5879



3.1109, 0.2914, 0.5689

Inverse Universe

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



29.4589, 0.3465, 0.1926



28.1888, 0.3545, 0.1803



26.0940, 0.4602, 0.2693



16.7240, 0.3160, 0.3090



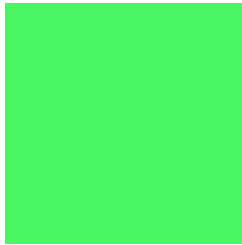
12.9544, 0.3619, 0.1767



1.1497, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 67.6615, 0.2941, 0.5275 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 67.6615, 0.2941, 0.5275 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 67.6615, 0.2941, 0.5275

Background



This preview shows how black text looks on a background with the Yxy color 67.6615, 0.2941, 0.5275.

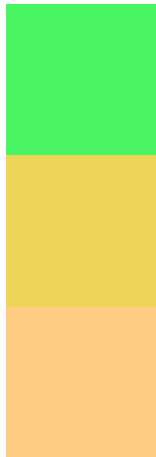


This preview shows how white text looks on a background with the Yxy color 67.6615, 0.2941, 0.5275.

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

67.6615, 0.2941, 0.5275

Protanopia

66.3143, 0.4148, 0.4545

Deuteranopia

66.0574, 0.4095, 0.4046



Tritanopia

67.2929, 0.2411, 0.3071

Trichromacy



Original Color

67.6615, 0.2941, 0.5275



Protanomaly

64.1057, 0.3591, 0.4871



Deuteranomaly

62.8138, 0.3561, 0.4505



Tritanomaly

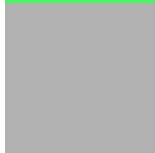
66.1953, 0.2608, 0.3833

Monochromacy



Original Color

67.6615, 0.2941, 0.5275



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

49.9864, 0.3026, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6615, 0.2941, 0.5275 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(74, 245, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 245, 99)  
}
```

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(74, 245, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 245, 99) }
```

Border

The CSS property to change the border of an element to Yxy 67.6615, 0.2941, 0.5275 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(74, 245, 99) }
```

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

```
.border{ border-color:rgb(74, 245, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 245, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 245, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 245, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 245,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6615, 0.2941, 0.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 245, 99) }
```

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

```
.background{ background-color: rgb(74, 245,  
99) }
```

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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