

Converting Colors

Yxy(68.2144, 0.3176, 0.4834)

Have a look what the booklet for
Yxy(68.2144, 0.3176, 0.4834)
contains.

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Color

Yxy(68.0325, 0.3176, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	8CEE76
RGB	140, 238, 118
RGB Percent	55%, 93%, 46%
CMY	0.4510, 0.0667, 0.5371
CMYK	0.41, 0.00, 0.50, 0.07
HSL	109°, 78%, 70%
HSV	109°, 50%, 93%
XYZ	44.6613, 68.0325, 27.9274
YIQ	195.0180, -19.8880, -58.0960

Conversions

Conversions Part 2

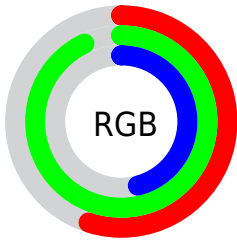
Format	Color
RYB	118, 238, 216
Decimal	9236086
CIELab	86.02, -51.04, 48.83
CIELCh	86, 70.631, 136.266
Yxy	68.0325, 0.3176, 0.4838
Android (android.graphics.Color)	4287426166 (0xFF8CEE76)
YUV	195.0180, -37.9699, -48.2508
Hunter-Lab	82.4818, -47.6911, 37.6624

Details

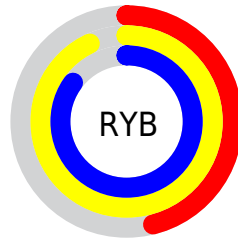
The Yxy color **68.0325, 0.3176, 0.4838** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **33.7434, 0.2978, 0.2000**, and the grayscale version is **54.8272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5043, 0.3240, 0.4215**, and **35.2349, 0.3129, 0.5253** is the 20% darker color. If you saturate the color by 10%, you get **65.9965, 0.3167, 0.5169**, and if you desaturate by 10%, it is **70.5154, 0.3177, 0.4495**.

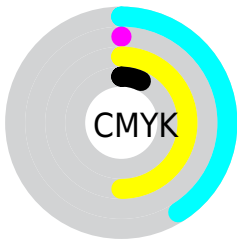
Distribution



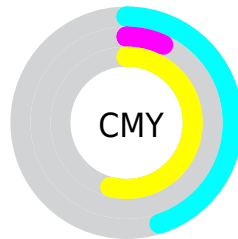
- Red (55%)
- Green (93%)
- Blue (46%)



- Red (46%)
- Yellow (93%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0325, 0.3176, 0.4838 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 68.0325, 0.3176, 0.4838 by changing the saturation by 10% instead.


 68.0325, 0.3176,
0.4838

 68.0325, 0.3176,
0.4838


453.6112, 0.3192,
0.4065

 49.9242, 0.3160,
0.5025


 116.3986, 0.3191,
0.4560

 35.3532, 0.3132,
0.5260


 147.4252, 0.3194,
0.4455

 23.9350, 0.3085,
0.5562


 183.5267, 0.3196,
0.4365

 15.2854, 0.3000,
0.5959

225.0875, 0.3196,
0.4288

 9.0200, 0.2842,
0.6490

272.4919, 0.3195,
0.4222

 4.7542, 0.2604,
0.7396


326.1244, 0.3195,


 2.1038, 0.1730,


0.4163


0.8270


386.3693, 0.3194,
0.4111


 0.6667, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.0325, 0.3176,
0.4838


 68.0325, 0.3176,
0.4838

 65.9965, 0.3167,
0.5169


 70.5154, 0.3177,
0.4495

 64.3721, 0.3148,
0.5465

 73.4610, 0.3171,
0.4160


 63.1325, 0.3120,
0.5704


 76.8947, 0.3159,
0.3845

 62.2438, 0.3086,
0.5868

 80.8374, 0.3145,
0.3557

 61.6772, 0.3052,
0.5958

 85.3091, 0.3128,
0.3300

 89.6311, 0.3135,
0.3127

Harmonies

Analogous

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



68.0325, 0.3979, 0.4806



68.0325, 0.3176, 0.4838



68.0325, 0.2403, 0.4206

Triad

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



68.0325, 0.3176, 0.4838



68.0325, 0.1773, 0.2096



68.0325, 0.4535, 0.3103

Complementary

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



68.0325, 0.3176, 0.4838



33.7434, 0.2978, 0.2000

Split Complementary

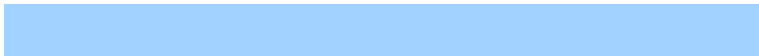
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0325, 0.3766, 0.2565



68.0325, 0.3176, 0.4838



68.0325, 0.2178, 0.2008

Square

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



68.0325, 0.3176, 0.4838



68.0325, 0.1667, 0.2496



68.0325, 0.2877, 0.2178



68.0325, 0.4840, 0.3713

Rectangle

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



68.0325, 0.3176, 0.4838



68.0325, 0.2013, 0.3568



68.0325, 0.2877, 0.2178



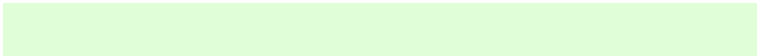
68.0325, 0.4316, 0.2912

Sweetspot

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



68.0354, 0.3176, 0.4838



92.3246, 0.3152, 0.3687



68.6031, 0.3974, 0.4321



19.5544, 0.3155, 0.3749



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.



68.0354, 0.3176, 0.4838



77.2261, 0.3167, 0.5163



67.4063, 0.2868, 0.4388



17.7955, 0.3143, 0.3532



34.4486, 0.3059, 0.5953



2.9043, 0.3139, 0.5890

Inverse Universe

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



33.7434, 0.2978, 0.2000



33.0516, 0.2934, 0.1780



35.3138, 0.3568, 0.2415



15.8766, 0.3109, 0.3055



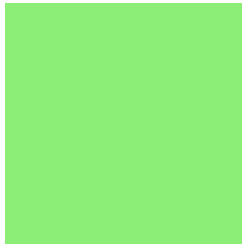
9.9266, 0.2750, 0.1289



0.8634, 0.2814, 0.1324

Previews

White Background



This preview shows how the Yxy color 68.0325, 0.3176, 0.4838 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 68.0325, 0.3176, 0.4838 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

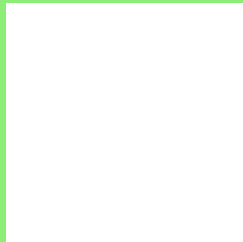
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0325, 0.3176, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 68.0325, 0.3176, 0.4838.

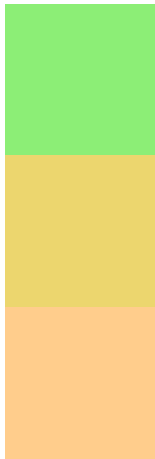


This preview shows how white text looks on a background with the Yxy color 68.0325, 0.3176, 0.4838.

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

68.0325, 0.3176, 0.4838

Protanopia

67.0518, 0.4018, 0.4384

Deuteranopia

66.8161, 0.4018, 0.3959



Tritanopia

67.5086, 0.2635, 0.3079

Trichromacy



Original Color

68.0325, 0.3176, 0.4838



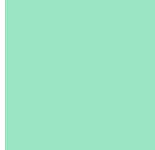
Protanomaly

66.3851, 0.3675, 0.4564



Deuteranomaly

65.4378, 0.3679, 0.4267



Tritanomaly

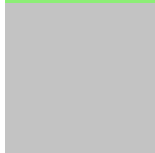
67.0384, 0.2841, 0.3690

Monochromacy



Original Color

68.0325, 0.3176, 0.4838



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.4925, 0.3159, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0325, 0.3176, 0.4838 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(140, 238, 118)` looks like.

```
.text, #text, p{  
    color:rgb(140, 238, 118)  
}
```

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(140, 238, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 238, 118) }
```

Border

The CSS property to change the border of an element to Yxy 68.0325, 0.3176, 0.4838 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(140, 238, 118) }
```

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

```
.border{ border-color:rgb(140, 238, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 238, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 238, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 238, 118);  
box-shadow:4px 4px 4px 4px rgb(140, 238,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0325, 0.3176, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 238, 118) }
```

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

```
.background{ background-color: rgb(140,  
238, 118) }
```

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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