

Converting Colors

$Yxy(67.3790, 0.33334, 0.4875)$

Have a look what the booklet for
Yxy(67.3790, 0.3334, 0.4875)
contains.

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Color

Yxy(67.5673, 0.3331, 0.4879)

Conversions

Conversions Part 1

Format	Color
Hex	9CEB6C
RGB	156, 235, 108
RGB Percent	61%, 92%, 42%
CMY	0.3881, 0.0784, 0.5766
CMYK	0.34, 0.00, 0.54, 0.08
HSL	97°, 76%, 67%
HSV	97°, 54%, 92%
XYZ	46.1297, 67.5673, 24.7890
YIQ	196.9010, -6.3170, -56.2450

Conversions

Conversions Part 2

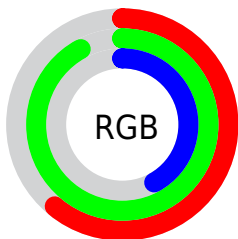
Format	Color
RYB	108, 235, 187
Decimal	10283884
CIELab	85.79, -45.82, 53.38
CIELCh	86, 70.344, 130.641
Yxy	67.5673, 0.3331, 0.4879
Android (android.graphics.Color)	4288473964 (0xFF9CEB6C)
YUV	196.9010, -43.8282, -35.8702
Hunter-Lab	82.1993, -43.6759, 39.6593

Details

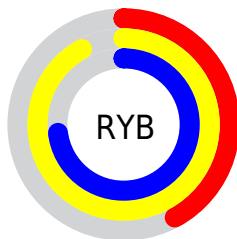
The Yxy color **67.5673, 0.3331, 0.4879** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.2735, 0.2725, 0.1820**, and the grayscale version is **56.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4248, 0.3399, 0.4293**, and **35.2254, 0.3316, 0.5294** is the 20% darker color. If you saturate the color by 10%, you get **65.7644, 0.3335, 0.5174**, and if you desaturate by 10%, it is **69.6861, 0.3311, 0.4565**.

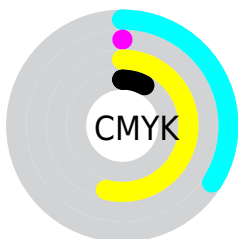
Distribution



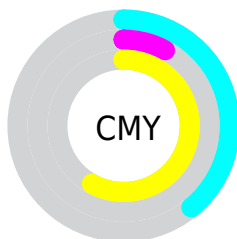
- Red (61%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (54%)
- Black (8%)





- Cyan (39%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5673, 0.3331, 0.4879 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 67.5673, 0.3331, 0.4879 by changing the saturation by 10% instead.

 67.5673, 0.3331,
0.4879

 67.5673, 0.3331,
0.4879

451.9614, 0.3279,
0.4093

 49.5458, 0.3329,
0.5066


 115.7329, 0.3324,
0.4599


 35.0526, 0.3317,
0.5298

 146.6458, 0.3318,
0.4492

 23.7034, 0.3287,
0.5593


 182.6246, 0.3311,
0.4401

 15.1138, 0.3221,
0.5971

 224.0538, 0.3304,
0.4322

 8.8993, 0.3093,
0.6483

271.3176, 0.3297,
0.4254

 4.6755, 0.2827,
0.7173

324.8006, 0.3291,

 2.0582, 0.2087,

0.4194

0.7913

384.8871, 0.3285,
0.4140

0.6409, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.5673, 0.3331,
0.4879

67.5673, 0.3331,
0.4879

65.7644, 0.3335,
0.5174

69.6861, 0.3311,
0.4565

64.2514, 0.3321,
0.5433

72.1278, 0.3280,
0.4248


63.0118, 0.3288,
0.5637


74.9099, 0.3240,
0.3941

62.0229, 0.3240,
0.5777

78.0460, 0.3194,
0.3654

 61.5364, 0.3207,
0.5835

 81.5489, 0.3147,
0.3390

 85.4307, 0.3099,
0.3151

 87.8963, 0.3136,
0.3097

Harmonies

Analogous

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



67.5673, 0.4114, 0.4737



67.5673, 0.3331, 0.4879



67.5673, 0.2536, 0.4365

Triad

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



67.5673, 0.3331, 0.4879



67.5673, 0.1733, 0.2147



67.5673, 0.4416, 0.2995

Complementary

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



67.5673, 0.3331, 0.4879



27.2735, 0.2725, 0.1820

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.



67.5673, 0.3596, 0.2479



67.5673, 0.3331, 0.4879



67.5673, 0.2080, 0.2005

Square

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



67.5673, 0.3331, 0.4879



67.5673, 0.1683, 0.2613



67.5673, 0.2727, 0.2130



67.5673, 0.4824, 0.3596

Rectangle

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



67.5673, 0.3331, 0.4879



67.5673, 0.2110, 0.3751



67.5673, 0.2727, 0.2130



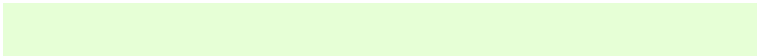
67.5673, 0.4172, 0.2810

Sweetspot

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



67.5702, 0.3331, 0.4879



93.1486, 0.3204, 0.3710



53.9908, 0.4189, 0.4143



19.7668, 0.3213, 0.3768



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.



67.5702, 0.3331, 0.4879



78.9180, 0.3334, 0.5209



64.0275, 0.2979, 0.4835



17.1398, 0.3173, 0.3529



34.3154, 0.3218, 0.5827



2.7481, 0.3326, 0.5741

Inverse Universe

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



27.2735, 0.2725, 0.1820



25.6495, 0.2612, 0.1542



33.5580, 0.3334, 0.2128



15.0126, 0.3077, 0.3053



6.8185, 0.2281, 0.1030



0.5902, 0.2409, 0.1101

Previews

White Background



This preview shows how the Yxy color 67.5673, 0.3331, 0.4879 looks on a white background.

Color Contrast Check

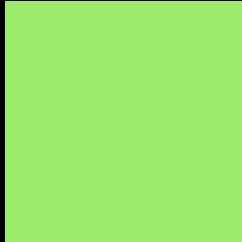
Large Text (above 18pt) WCAG AA × Fail

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 67.5673, 0.3331, 0.4879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

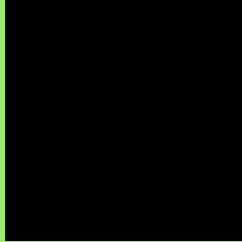
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5673, 0.3331, 0.4879

Background



This preview shows how black text looks on a background with the Yxy color 67.5673, 0.3331, 0.4879.



This preview shows how white text looks on a background with the Yxy color 67.5673, 0.3331, 0.4879.

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

67.5673, 0.3331, 0.4879

Protanopia

66.8656, 0.4070, 0.4462

Deuteranopia

66.6719, 0.4054, 0.4008



Tritanopia

67.2920, 0.2728, 0.3082

Trichromacy



Original Color

67.5673, 0.3331, 0.4879



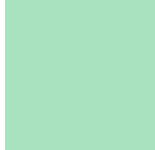
Protanomaly

66.5074, 0.3776, 0.4621



Deuteranomaly

65.6525, 0.3777, 0.4314



Tritanomaly

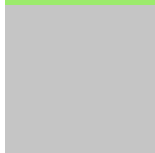
66.5893, 0.2960, 0.3722

Monochromacy



Original Color

67.5673, 0.3331, 0.4879



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.2502, 0.3226, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5673, 0.3331, 0.4879 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(156, 235, 108)` looks like.

```
.text, #text, p{  
    color:rgb(156, 235, 108)  
}
```

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(156, 235, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 235, 108) }
```

Border

The CSS property to change the border of an element to Yxy 67.5673, 0.3331, 0.4879 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(156, 235, 108) }
```

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

```
.border{ border-color:rgb(156, 235, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 235, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 235, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 235, 108);  
box-shadow:4px 4px 4px 4px rgb(156, 235,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5673, 0.3331, 0.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 235, 108) }
```

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

```
.background{ background-color: rgb(156,  
235, 108) }
```

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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