

Converting Colors

Yxy(66.2352, 0.33335, 0.4894)

Have a look what the booklet for
Yxy(66.2352, 0.3335, 0.4894)
contains.

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Color

Yxy(66.1885, 0.3331, 0.4892)

Conversions

Conversions Part 1

Format	Color
Hex	9AE96A
RGB	154, 233, 106
RGB Percent	60%, 91%, 42%
CMY	0.3961, 0.0863, 0.5842
CMYK	0.34, 0.00, 0.54, 0.09
HSL	97°, 74%, 66%
HSV	97°, 54%, 91%
XYZ	45.0683, 66.1885, 24.0427
YIQ	194.9010, -6.3170, -56.2450

Conversions

Conversions Part 2

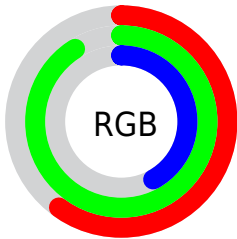
Format	Color
RYB	106, 233, 185
Decimal	10152298
CIELab	85.09, -45.85, 53.41
CIELCh	85, 70.392, 130.642
Yxy	66.1885, 0.3331, 0.4892
Android (android.graphics.Color)	4288342378 (0xFF9AE96A)
YUV	194.9010, -43.8282, -35.8702
Hunter-Lab	81.3563, -43.4915, 39.4278

Details

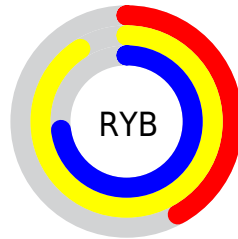
The Yxy color **66.1885, 0.3331, 0.4892** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.5152, 0.2722, 0.1810**, and the grayscale version is **54.7832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0551, 0.3396, 0.4318**, and **34.2889, 0.3319, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **64.4328, 0.3334, 0.5186**, and if you desaturate by 10%, it is **68.2534, 0.3312, 0.4578**.

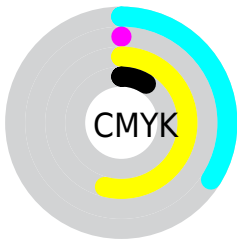
Distribution



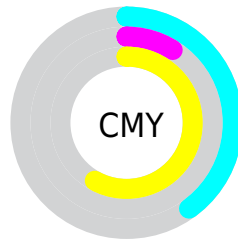
- Red (60%)
- Green (91%)
- Blue (42%)



- Red (42%)
- Yellow (91%)
- Blue (73%)



- Cyan (34%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (40%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1885, 0.3331, 0.4892 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 66.1885, 0.3331, 0.4892 by changing the saturation by 10% instead.


 66.1885, 0.3331,
0.4892


 66.1885, 0.3331,
0.4892


447.0507, 0.3279,
0.4097

 48.4254, 0.3328,
0.5082

 113.7568, 0.3324,
0.4608


 34.1639, 0.3315,
0.5318


 144.3309, 0.3318,
0.4500

 23.0196, 0.3284,
0.5618

 179.9441, 0.3311,
0.4407

 14.6079, 0.3214,
0.6003

 220.9808, 0.3305,
0.4328

 8.5447, 0.3084,
0.6536

267.8254, 0.3298,
0.4259

 4.4454, 0.2790,
0.7210

320.8624, 0.3291,

 1.9257, 0.1958,

0.4198

0.8042

380.4760, 0.3285,
0.4145

■ 0.5638, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1885, 0.3331,
0.4892

■ 66.1885, 0.3331,
0.4892

■ 64.4328, 0.3334,
0.5186

■ 68.2534, 0.3312,
0.4578

■ 62.9607, 0.3319,
0.5442


■ 70.6344, 0.3281,
0.4261


■ 61.7560, 0.3286,
0.5644

■ 73.3487, 0.3241,
0.3954


■ 60.7961, 0.3237,
0.5782

■ 76.4097, 0.3196,
0.3666

 60.3563, 0.3207,
0.5836

 79.8299, 0.3149,
0.3401

 83.6213, 0.3101,
0.3161

 86.7599, 0.3137,
0.3078

Harmonies

Analogous

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



66.1885, 0.4120, 0.4747



66.1885, 0.3331, 0.4892



66.1885, 0.2531, 0.4374

Triad

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



66.1885, 0.3331, 0.4892



66.1885, 0.1724, 0.2140



66.1885, 0.4425, 0.2992

Complementary

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



66.1885, 0.3331, 0.4892



26.5152, 0.2722, 0.1810

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.



66.1885, 0.3599, 0.2474



66.1885, 0.3331, 0.4892



66.1885, 0.2074, 0.1998

Square

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



66.1885, 0.3331, 0.4892



66.1885, 0.1674, 0.2607



66.1885, 0.2724, 0.2123



66.1885, 0.4836, 0.3597

Rectangle

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



66.1885, 0.3331, 0.4892



66.1885, 0.2103, 0.3754



66.1885, 0.2724, 0.2123



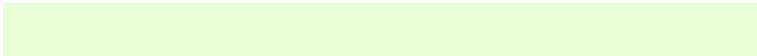
66.1885, 0.4180, 0.2806

Sweetspot

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



66.1914, 0.3331, 0.4892



93.1447, 0.3204, 0.3710



52.7836, 0.4199, 0.4149



19.7659, 0.3213, 0.3769



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.



66.1914, 0.3331, 0.4892



78.9088, 0.3334, 0.5209



62.7224, 0.2978, 0.4848



17.1394, 0.3173, 0.3529



34.3116, 0.3218, 0.5827



2.7478, 0.3326, 0.5742

Inverse Universe

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



26.5152, 0.2722, 0.1810



25.6620, 0.2613, 0.1542



32.7100, 0.3336, 0.2121



15.0131, 0.3078, 0.3053



6.8255, 0.2283, 0.1031



0.5907, 0.2410, 0.1101

Previews

White Background



This preview shows how the Yxy color 66.1885, 0.3331, 0.4892 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 66.1885, 0.3331, 0.4892 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 66.1885, 0.3331, 0.4892

Background



This preview shows how black text looks on a background with the Yxy color 66.1885, 0.3331, 0.4892.



This preview shows how white text looks on a background with the Yxy color 66.1885, 0.3331, 0.4892.

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

66.1885, 0.3331, 0.4892

Protanopia

65.4802, 0.4077, 0.4470

Deuteranopia

65.5042, 0.4122, 0.4065



Tritanopia

65.7761, 0.2719, 0.3079

Trichromacy



Original Color

66.1885, 0.3331, 0.4892



Protanomaly

65.1248, 0.3781, 0.4631



Deuteranomaly

64.3305, 0.3816, 0.4361



Tritanomaly

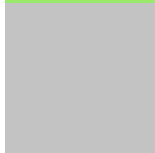
65.2009, 0.2959, 0.3726

Monochromacy



Original Color

66.1885, 0.3331, 0.4892



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.9486, 0.3227, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1885, 0.3331, 0.4892 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(154, 233, 106)` looks like.

```
.text, #text, p{  
    color:rgb(154, 233, 106)  
}
```

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(154, 233, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 233, 106) }
```

Border

The CSS property to change the border of an element to Yxy 66.1885, 0.3331, 0.4892 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(154, 233, 106) }
```

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

```
.border{ border-color:rgb(154, 233, 106) }
```

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

Here you see how a box with a 4 pixel rgb(154, 233, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 233, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 233, 106);  
box-shadow:4px 4px 4px 4px rgb(154, 233,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1885, 0.3331, 0.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 233, 106) }
```

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

```
.background{ background-color: rgb(154,  
233, 106) }
```

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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