

Converting Colors

Yxy(66.7781, 0.3308, 0.4919)

Have a look what the booklet for
Yxy(66.7781, 0.3308, 0.4919)
contains.

Yxy(67.0366, 0.3307, 0.4918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.0366, 0.3307, 0.4918)

Conversions

Conversions Part 1

Format	Color
Hex	97EB6A
RGB	151, 235, 106
RGB Percent	59%, 92%, 42%
CMY	0.4077, 0.0784, 0.5844
CMYK	0.36, 0.00, 0.55, 0.08
HSL	99°, 76%, 67%
HSV	99°, 55%, 92%
XYZ	45.0773, 67.0366, 24.1948
YIQ	195.1780, -8.6550, -57.9270

Conversions

Conversions Part 2

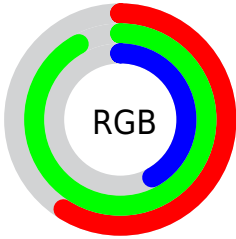
Format	Color
RYB	106, 235, 190
Decimal	9956202
CIELab	85.52, -47.68, 53.90
CIELCh	86, 71.959, 131.494
Yxy	67.0366, 0.3307, 0.4918
Android (android.graphics.Color)	4288146282 (0xFF97EB6A)
YUV	195.1780, -43.9648, -38.7441
Hunter-Lab	81.8759, -45.0085, 39.7926

Details

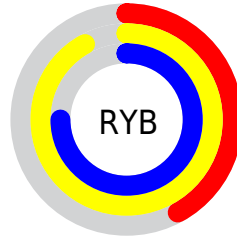
The Yxy color **67.0366, 0.3307, 0.4918** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.2437, 0.2753, 0.1813**, and the grayscale version is **54.9618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6134, 0.3376, 0.4325**, and **34.8678, 0.3282, 0.5358** is the 20% darker color. If you saturate the color by 10%, you get **65.2457, 0.3306, 0.5215**, and if you desaturate by 10%, it is **69.1570, 0.3293, 0.4600**.

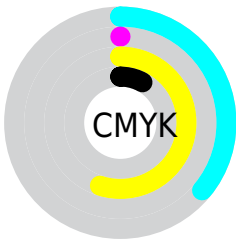
Distribution



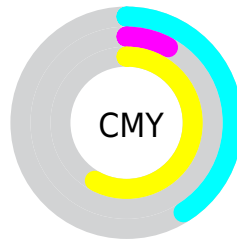
- Red (59%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (55%)
- Black (8%)




- Cyan (41%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0366, 0.3307, 0.4918 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 67.0366, 0.3307, 0.4918 by changing the saturation by 10% instead.


 67.0366, 0.3307,
0.4918

 67.0366, 0.3307,
0.4918


450.0750, 0.3268,
0.4110

 49.1144, 0.3301,
0.5111


 114.9729, 0.3305,
0.4630


 34.7102, 0.3284,
0.5351


 145.7557, 0.3301,
0.4520

 23.4397, 0.3247,
0.5655


 181.5941, 0.3295,
0.4426

 14.9185, 0.3171,
0.6046

 222.8726, 0.3290,
0.4345

 8.7622, 0.3031,
0.6583

269.9756, 0.3284,
0.4275

 4.5864, 0.2729,
0.7271

323.2874, 0.3279,

 2.0067, 0.1896,

0.4213

0.8104

383.1924, 0.3273,
0.4159

0.6114, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0366, 0.3307,
0.4918

67.0366, 0.3307,
0.4918

65.2457, 0.3306,
0.5215

69.1570, 0.3293,
0.4600

63.7572, 0.3288,
0.5473


71.6152, 0.3266,
0.4279

62.5532, 0.3254,
0.5675

74.4294, 0.3231,
0.3969


61.6095, 0.3204,
0.5810

77.6143, 0.3191,
0.3678

 61.2127, 0.3177,
0.5859

 81.1834, 0.3148,
0.3411

 85.1497, 0.3105,
0.3171

 87.8959, 0.3136,
0.3097

Harmonies

Analogous

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



67.0366, 0.4111, 0.4780



67.0366, 0.3307, 0.4918



67.0366, 0.2499, 0.4372

Triad

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



67.0366, 0.3307, 0.4918



67.0366, 0.1710, 0.2113



67.0366, 0.4468, 0.3003

Complementary

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



67.0366, 0.3307, 0.4918



27.2437, 0.2753, 0.1813

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.



67.0366, 0.3633, 0.2475



67.0366, 0.3307, 0.4918



67.0366, 0.2072, 0.1979

Square

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



67.0366, 0.3307, 0.4918



67.0366, 0.1650, 0.2575



67.0366, 0.2739, 0.2113



67.0366, 0.4869, 0.3615

Rectangle

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



67.0366, 0.3307, 0.4918



67.0366, 0.2070, 0.3733



67.0366, 0.2739, 0.2113



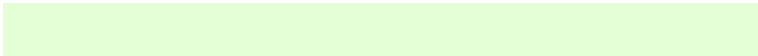
67.0366, 0.4221, 0.2813

Sweetspot

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



67.0395, 0.3307, 0.4918



92.9526, 0.3196, 0.3711



55.4620, 0.4181, 0.4198



19.7204, 0.3205, 0.3770



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.



67.0395, 0.3307, 0.4918



78.2661, 0.3305, 0.5254



63.9687, 0.2958, 0.4805



17.1179, 0.3168, 0.3530



34.1323, 0.3188, 0.5851



2.7321, 0.3295, 0.5766

Inverse Universe

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



27.2437, 0.2753, 0.1813



25.7540, 0.2646, 0.1540



32.9071, 0.3383, 0.2151



15.0353, 0.3082, 0.3054



7.1775, 0.2348, 0.1067



0.6168, 0.2468, 0.1133

Previews

White Background



This preview shows how the Yxy color 67.0366, 0.3307, 0.4918 looks on a white background.

Color Contrast Check

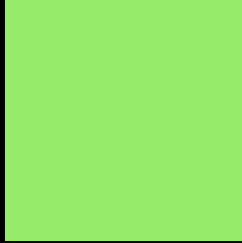
Large Text (above 18pt) WCAG AA × Fail

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 67.0366, 0.3307, 0.4918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

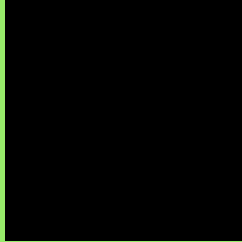
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0366, 0.3307, 0.4918

Background



This preview shows how black text looks on a background with the Yxy color 67.0366, 0.3307, 0.4918.



This preview shows how white text looks on a background with the Yxy color 67.0366, 0.3307, 0.4918.

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

67.0366, 0.3307, 0.4918

Protanopia

66.3222, 0.4087, 0.4470

Deuteranopia

66.1117, 0.4081, 0.4027



Tritanopia

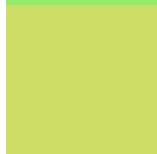
66.7156, 0.2698, 0.3080

Trichromacy



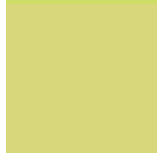
Original Color

67.0366, 0.3307, 0.4918



Protanomaly

65.6513, 0.3776, 0.4639



Deuteranomaly

64.7827, 0.3778, 0.4332



Tritanomaly

66.0468, 0.2928, 0.3726

Monochromacy



Original Color

67.0366, 0.3307, 0.4918



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.3212, 0.3218, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0366, 0.3307, 0.4918 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(151, 235, 106)` looks like.

```
.text, #text, p{  
    color:rgb(151, 235, 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(151, 235, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 235, 106) }
```

Border

The CSS property to change the border of an element to Yxy 67.0366, 0.3307, 0.4918 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(151, 235, 106) }
```

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

```
.border{ border-color:rgb(151, 235, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 235, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 235, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 235, 106);  
box-shadow:4px 4px 4px 4px rgb(151, 235,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0366, 0.3307, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 235, 106) }
```

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

```
.background{ background-color: rgb(151,  
235, 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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