

# Converting Colors

Yxy(66.4882, 0.3205, 0.4840)

Have a look what the booklet for  
Yxy(66.4882, 0.3205, 0.4840)  
contains.

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# Color

**Yxy(66.4052, 0.3207, 0.4844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EEB73
RGB	142, 235, 115
RGB Percent	56%, 92%, 45%
CMY	0.4429, 0.0784, 0.5490
CMYK	0.40, 0.00, 0.51, 0.08
HSL	106°, 75%, 69%
HSV	106°, 51%, 92%
XYZ	43.9640, 66.4052, 26.7184
YIQ	193.5130, -16.9080, -57.0360

# Conversions

## Conversions Part 2

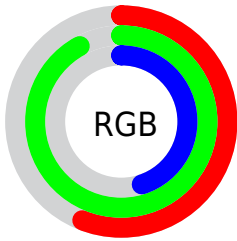
Format	Color
<a href="#">RYB</a>	<a href="#">115, 235, 208</a>
Decimal	<a href="#">9366387</a>
CIELab	<a href="#">85.20, -49.53, 49.28</a>
CIElCh	<a href="#">85, 69.869, 135.150</a>
Yxy	<a href="#">66.4052, 0.3207, 0.4844</a>
Android (android.graphics.Color)	<a href="#">4287556467 (0xFF8EEB73)</a>
YUV	<a href="#">193.5130, -38.7069, -45.1769</a>
Hunter-Lab	<a href="#">81.4894, -46.3047, 37.6028</a>

# Details

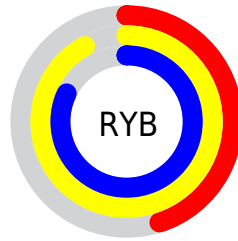
The Yxy color **66.4052, 0.3207, 0.4844** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **31.6613, 0.2927, 0.1966**, and the grayscale version is **53.8936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6639, 0.3269, 0.4245**, and **34.1310, 0.3168, 0.5259** is the 20% darker color. If you saturate the color by 10%, you get **64.4528, 0.3200, 0.5168**, and if you desaturate by 10%, it is **68.7641, 0.3204, 0.4507**.

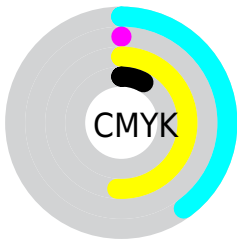
# Distribution



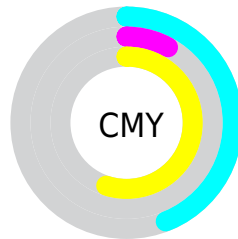
- Red (56%)
- Green (92%)
- Blue (45%)



- Red (45%)
- Yellow (92%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (51%)
- Black (8%)




- Cyan (44%)
- Magenta (8%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4052, 0.3207, 0.4844 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 66.4052, 0.3207, 0.4844 by changing the saturation by 10% instead.





 66.4052, 0.3207,  
0.4844


 66.4052, 0.3207,  
0.4844

447.8246, 0.3209,  
0.4067


 48.6014, 0.3193,  
0.5033

 114.0677, 0.3218,  
0.4564

 34.3034, 0.3169,  
0.5270


 144.6952, 0.3219,  
0.4458

 23.1268, 0.3124,  
0.5574

 180.3661, 0.3218,  
0.4368

 14.6871, 0.3042,  
0.5973

221.4647, 0.3217,  
0.4291

 8.6001, 0.2886,  
0.6510

268.3755, 0.3216,  
0.4224

 4.4813, 0.2627,  
0.7373


321.4828, 0.3214,


 1.9463, 0.1671,


0.4165


0.8329


381.1710, 0.3211,  
0.4113


 0.5760, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 66.4052, 0.3207,  
0.4844


 66.4052, 0.3207,  
0.4844

 64.4528, 0.3200,  
0.5168

 68.7641, 0.3204,  
0.4507

 62.8749, 0.3182,  
0.5458


 71.5424, 0.3192,  
0.4175


 61.6484, 0.3152,  
0.5691


 74.7629, 0.3175,  
0.3862


 60.7433, 0.3113,  
0.5853

 78.4441, 0.3153,  
0.3574

 60.1714, 0.3077,  
0.5939

 82.6035, 0.3130,  
0.3316

 87.1933, 0.3112,  
0.3096

 87.8952, 0.3136,  
0.3097

# Harmonies

## Analogous

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



66.4052, 0.4005, 0.4791



66.4052, 0.3207, 0.4844



66.4052, 0.2431, 0.4236

# Triad

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



66.4052, 0.3207, 0.4844



66.4052, 0.1767, 0.2108



66.4052, 0.4509, 0.3082

# Complementary

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



66.4052, 0.3207, 0.4844



31.6613, 0.2927, 0.1966

# Split Complementary

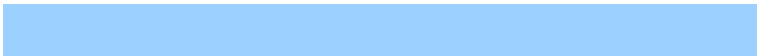
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.4052, 0.3731, 0.2549



66.4052, 0.3207, 0.4844



66.4052, 0.2160, 0.2009

# Square

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



66.4052, 0.3207, 0.4844



66.4052, 0.1672, 0.2520



66.4052, 0.2848, 0.2170



66.4052, 0.4835, 0.3690



# Rectangle

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



66.4052, 0.3207, 0.4844



66.4052, 0.2034, 0.3604



66.4052, 0.2848, 0.2170



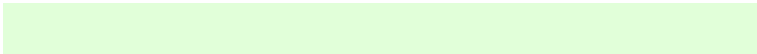
66.4052, 0.4286, 0.2892

# Sweetspot

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



66.4080, 0.3207, 0.4844



92.5842, 0.3162, 0.3686



63.5240, 0.4017, 0.4277



19.6162, 0.3167, 0.3747



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.



66.4080, 0.3207, 0.4844



77.5402, 0.3200, 0.5175



65.1664, 0.2896, 0.4489



17.0259, 0.3150, 0.3531



33.5356, 0.3085, 0.5932



2.6753, 0.3178, 0.5859



# Inverse Universe

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



31.6613, 0.2927, 0.1966



31.4349, 0.2869, 0.1733



34.2344, 0.3509, 0.2348



15.1326, 0.3102, 0.3055



8.9344, 0.2645, 0.1231

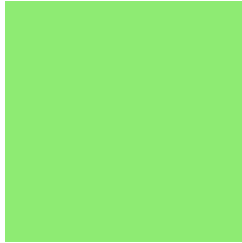


0.7435, 0.2727, 0.1276



# Previews

## White Background



This preview shows how the Yxy color 66.4052, 0.3207, 0.4844 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 66.4052, 0.3207, 0.4844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

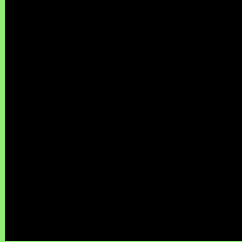
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.4052, 0.3207, 0.4844**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4052, 0.3207, 0.4844.



This preview shows how white text looks on a background with the Yxy color 66.4052, 0.3207, 0.4844.

# 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

66.4052, 0.3207, 0.4844

### Protanopia

65.6409, 0.4031, 0.4400

### Deuteranopia

65.6106, 0.4093, 0.4027



## Tritanopia

65.8374, 0.2652, 0.3077

# Trichromacy



## Original Color

66.4052, 0.3207, 0.4844



## Protanomaly

64.7297, 0.3705, 0.4568



## Deuteranomaly

64.3777, 0.3740, 0.4321



## Tritanomaly

65.3557, 0.2862, 0.3693

# Monochromacy



## Original Color

66.4052, 0.3207, 0.4844



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

57.4315, 0.3175, 0.3857

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4052, 0.3207, 0.4844 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(142, 235, 115)` looks like.

```
.text, #text, p{  
    color:rgb(142, 235, 115)  
}
```

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(142, 235, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 235, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4052, 0.3207, 0.4844 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(142, 235, 115) }
```

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

```
.border{ border-color:rgb(142, 235, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 235, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 235, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 235, 115);  
box-shadow:4px 4px 4px 4px rgb(142, 235,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4052, 0.3207, 0.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 235, 115) }
```

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

```
.background{ background-color: rgb(142,  
235, 115) }
```

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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