

# Converting Colors

Yxy(67.1192, 0.3332, 0.4586)

Have a look what the booklet for  
Yxy(67.1192, 0.3332, 0.4586)  
contains.

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# Color

**Yxy(67.1192, 0.3332, 0.4586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E77F
RGB	169, 231, 127
RGB Percent	66%, 91%, 50%
CMY	0.3374, 0.0941, 0.5019
CMYK	0.27, 0.00, 0.45, 0.09
HSL	96°, 68%, 70%
HSV	96°, 45%, 91%
XYZ	48.7661, 67.1192, 30.4715
YIQ	200.6060, -3.5680, -45.4880

# Conversions

## Conversions Part 2

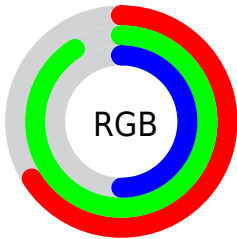
Format	Color
<a href="#">RYB</a>	<a href="#">127, 231, 189</a>
Decimal	<a href="#">11134847</a>
CIELab	<a href="#">85.56, -37.50, 44.29</a>
CIElCh	<a href="#">86, 58.032, 130.252</a>
Yxy	<a href="#">67.1192, 0.3332, 0.4586</a>
Android (android.graphics.Color)	<a href="#">4289324927 (0xFFA9E77F)</a>
YUV	<a href="#">200.6060, -36.2878, -27.7185</a>
Hunter-Lab	<a href="#">81.9263, -37.1202, 35.2962</a>

# Details

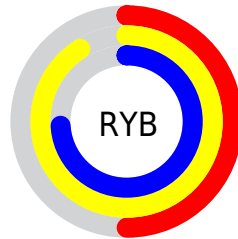
The Yxy color **67.1192, 0.3332, 0.4586** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.7818, 0.2788, 0.2060**, and the grayscale version is **58.3822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0249, 0.3372, 0.4067**, and **34.7454, 0.3343, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **65.1426, 0.3354, 0.4895**, and if you desaturate by 10%, it is **69.4004, 0.3297, 0.4272**.

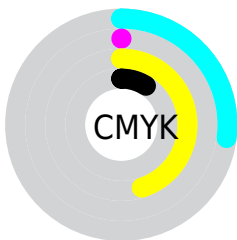
# Distribution



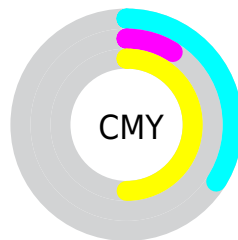
- Red (66%)
- Green (91%)
- Blue (50%)



- Red (50%)
- Yellow (91%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (34%)
- Magenta (9%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1192, 0.3332, 0.4586 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 67.1192, 0.3332, 0.4586 by changing the saturation by 10% instead.





 67.1192, 0.3332,  
0.4586

 67.1192, 0.3332,  
0.4586


450.3689, 0.3263,  
0.3947

 49.1815, 0.3339,  
0.4739


 115.0912, 0.3315,  
0.4358

 34.7635, 0.3342,  
0.4932


 145.8943, 0.3306,  
0.4271

 23.4807, 0.3336,  
0.5178


 181.7546, 0.3298,  
0.4197

 14.9489, 0.3312,  
0.5503

223.0566, 0.3290,  
0.4133

 8.7835, 0.3243,  
0.5940

270.1846, 0.3282,  
0.4077

 4.6002, 0.3197,  
0.6803

323.5231, 0.3275,

 2.0147, 0.2639,

0.4028

0.7361

383.4564, 0.3269,  
0.3985

0.6160, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.1192, 0.3332,  
0.4586

67.1192, 0.3332,  
0.4586

65.1426, 0.3354,  
0.4895

69.4004, 0.3297,  
0.4272

63.4472, 0.3359,  
0.5184


71.9908, 0.3254,  
0.3967

62.0202, 0.3346,  
0.5434

74.9059, 0.3205,  
0.3679

60.8433, 0.3313,  
0.5631

78.1574, 0.3153,  
0.3414

 59.8955, 0.3263,  
0.5764

 81.7563, 0.3101,  
0.3173

 59.4942, 0.3235,  
0.5813

 85.0096, 0.3116,  
0.3057

 85.6369, 0.3138,  
0.3058

# Harmonies

## Analogous

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



67.1192, 0.3989, 0.4509



67.1192, 0.3332, 0.4586



67.1192, 0.2656, 0.4167

# Triad

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



67.1192, 0.3332, 0.4586



67.1192, 0.1932, 0.2333



67.1192, 0.4186, 0.3048

# Complementary

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



67.1192, 0.3332, 0.4586



31.7818, 0.2788, 0.2060

# 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.



67.1192, 0.3513, 0.2598



67.1192, 0.3332, 0.4586



67.1192, 0.2236, 0.2194

# Square

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



67.1192, 0.3332, 0.4586



67.1192, 0.1897, 0.2748



67.1192, 0.2791, 0.2295



67.1192, 0.4537, 0.3575



# Rectangle

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



67.1192, 0.3332, 0.4586



67.1192, 0.2286, 0.3685



67.1192, 0.2791, 0.2295



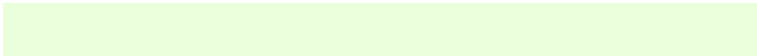
67.1192, 0.3985, 0.2886

# Sweetspot

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



67.1221, 0.3332, 0.4586



94.0924, 0.3200, 0.3653



54.3543, 0.4000, 0.3975



19.9609, 0.3211, 0.3713



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

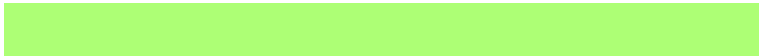


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1221, 0.3332, 0.4586



81.6788, 0.3353, 0.4874



63.4396, 0.3017, 0.4583



16.3715, 0.3176, 0.3529



33.4183, 0.3247, 0.5804



2.5225, 0.3361, 0.5713



# Inverse Universe

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



31.7818, 0.2788, 0.2060



32.2161, 0.2694, 0.1804



37.4681, 0.3260, 0.2271



14.3101, 0.3074, 0.3054



6.3287, 0.2226, 0.1000



0.5215, 0.2367, 0.1078



# Previews

## White Background



This preview shows how the Yxy color 67.1192, 0.3332, 0.4586 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 67.1192, 0.3332, 0.4586 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 67.1192, 0.3332, 0.4586**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1192, 0.3332, 0.4586.



This preview shows how white text looks on a background with the Yxy color 67.1192, 0.3332, 0.4586.

# 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

67.1192, 0.3332, 0.4586

### Protanopia

66.4614, 0.3938, 0.4279

### Deuteranopia

66.3392, 0.4023, 0.3950



## Tritanopia

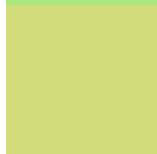
67.1583, 0.2798, 0.3095

# Trichromacy



## Original Color

67.1192, 0.3332, 0.4586



## Protanomaly

66.3181, 0.3700, 0.4402



## Deuteranomaly

65.6897, 0.3760, 0.4175



## Tritanomaly

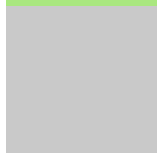
66.4642, 0.3002, 0.3616

# Monochromacy



## Original Color

67.1192, 0.3332, 0.4586



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.9618, 0.3217, 0.3759

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1192, 0.3332, 0.4586 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(169, 231, 127)` looks like.

```
.text, #text, p{  
    color:rgb(169, 231, 127)  
}
```

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(169, 231, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 231, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1192, 0.3332, 0.4586 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(169, 231, 127) }
```

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

```
.border{ border-color:rgb(169, 231, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 231, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 231, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 231, 127);  
box-shadow:4px 4px 4px 4px rgb(169, 231,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1192, 0.3332, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 231, 127) }
```

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

```
.background{ background-color: rgb(169,  
231, 127) }
```

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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