

# Converting Colors

$Yxy(67.6222, 0.3437, 0.4771)$

Have a look what the booklet for  
Yxy(67.6222, 0.3437, 0.4771)  
contains.

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**Color**

**Yxy(67.6316, 0.3435, 0.4766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE86F
RGB	172, 232, 111
RGB Percent	67%, 91%, 44%
CMY	0.3254, 0.0902, 0.5646
CMYK	0.26, 0.00, 0.52, 0.09
HSL	90°, 72%, 67%
HSV	90°, 52%, 91%
XYZ	48.7441, 67.6316, 25.5286
YIQ	200.2660, 3.0810, -50.3510

# Conversions

## Conversions Part 2

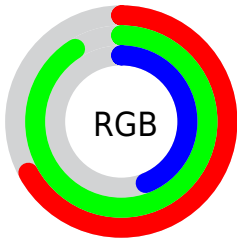
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 232, 171
Decimal	11331695
CIELab	85.82, -38.67, 52.23
CIELCh	86, 64.986, 126.514
Yxy	67.6316, 0.3435, 0.4766
Android (android.graphics.Color)	4289521775 (0xFFACE86F)
YUV	200.2660, -44.0081, -24.7893
Hunter-Lab	82.2384, -38.1172, 39.1620

# Details

The Yxy color **67.6316, 0.3435, 0.4766** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.8562, 0.2604, 0.1817**, and the grayscale version is **58.2122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0596, 0.3490, 0.4226**, and **35.0692, 0.3450, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **65.9423, 0.3459, 0.5046**, and if you desaturate by 10%, it is **69.5722, 0.3393, 0.4469**.

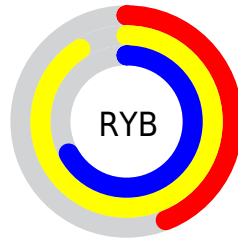
# Distribution



Red (67%)

Green (91%)

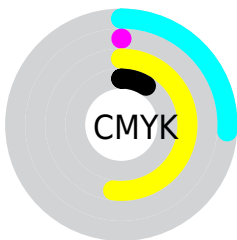
Blue (44%)



Red (44%)

Yellow (91%)

Blue (67%)

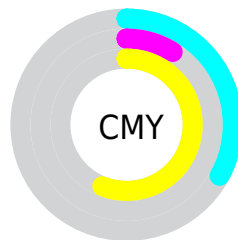


Cyan (26%)

Magenta (0%)

Yellow (52%)

Black (9%)



Cyan (33%)

Magenta (9%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6316, 0.3435, 0.4766 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 67.6316, 0.3435, 0.4766 by changing the saturation by 10% instead.



 67.6316, 0.3435,  
0.4766

 67.6316, 0.3435,  
0.4766

452.1897, 0.3328,  
0.4043


 49.5981, 0.3447,  
0.4936


 115.8250, 0.3408,  
0.4510

 35.0942, 0.3453,  
0.5147


 146.7536, 0.3394,  
0.4412

 23.7354, 0.3448,  
0.5413


 182.7494, 0.3381,  
0.4328

 15.1375, 0.3416,  
0.5753

224.1968, 0.3369,  
0.4255

 8.9159, 0.3333,  
0.6203

271.4801, 0.3358,  
0.4192

 4.6864, 0.3154,  
0.6846

324.9837, 0.3347,

 2.0645, 0.2588,

0.4136

0.7412

385.0921, 0.3337,  
0.4087

0.6445, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.6316, 0.3435,  
0.4766

67.6316, 0.3435,  
0.4766

65.9423, 0.3459,  
0.5046

69.5722, 0.3393,  
0.4469

64.4820, 0.3463,  
0.5292

71.7673, 0.3339,  
0.4168

63.2386, 0.3445,  
0.5491

74.2310, 0.3277,  
0.3876


62.1946, 0.3404,  
0.5635


76.9737, 0.3210,  
0.3599

 61.4941, 0.3362,  
0.5713

 80.0052, 0.3142,  
0.3342

 83.3349, 0.3074,  
0.3108

 85.7276, 0.3121,  
0.3067

 86.1928, 0.3138,  
0.3068

# Harmonies

## Analogous

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



67.6316, 0.4147, 0.4590



67.6316, 0.3435, 0.4766



67.6316, 0.2681, 0.4371

# Triad

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



67.6316, 0.3435, 0.4766



67.6316, 0.1796, 0.2268



67.6316, 0.4230, 0.2948

# Complementary

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



67.6316, 0.3435, 0.4766



25.8562, 0.2604, 0.1817

# 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.



67.6316, 0.3449, 0.2476



67.6316, 0.3435, 0.4766



67.6316, 0.2088, 0.2090

# Square

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



67.6316, 0.3435, 0.4766



67.6316, 0.1791, 0.2756



67.6316, 0.2660, 0.2173



67.6316, 0.4676, 0.3511



# Rectangle

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



67.6316, 0.3435, 0.4766



67.6316, 0.2258, 0.3838



67.6316, 0.2660, 0.2173



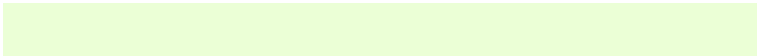
67.6316, 0.3991, 0.2777

# Sweetspot

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



67.6346, 0.3435, 0.4766



94.0091, 0.3237, 0.3706



46.8634, 0.4248, 0.3947



19.9712, 0.3250, 0.3763



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.



67.6346, 0.3435, 0.4766



81.4904, 0.3461, 0.5077



62.3740, 0.3060, 0.4952



16.4444, 0.3192, 0.3528



34.2145, 0.3374, 0.5703



2.5836, 0.3484, 0.5616



# Inverse Universe

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



25.8562, 0.2604, 0.1817



24.2851, 0.2455, 0.1508



34.0194, 0.3166, 0.2037



14.2362, 0.3058, 0.3053



5.3330, 0.2017, 0.0885

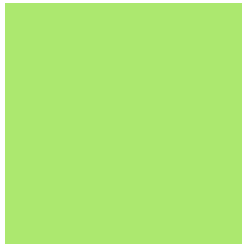


0.4493, 0.2176, 0.0972



# Previews

## White Background



This preview shows how the Yxy color 67.6316, 0.3435, 0.4766 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 67.6316, 0.3435, 0.4766 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 67.6316, 0.3435, 0.4766**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6316, 0.3435, 0.4766.

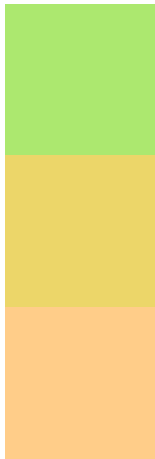


This preview shows how white text looks on a background with the Yxy color 67.6316, 0.3435, 0.4766.

# 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**

67.6316, 0.3435, 0.4766

**Protanopia**

66.9459, 0.4047, 0.4428

**Deuteranopia**

66.7288, 0.4040, 0.3989



## Tritanopia

67.1461, 0.2823, 0.3085

# Trichromacy



## Original Color

67.6316, 0.3435, 0.4766



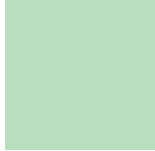
## Protanomaly

66.9206, 0.3813, 0.4560



## Deuteranomaly

66.1669, 0.3811, 0.4255



## Tritanomaly

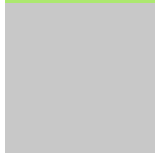
66.6042, 0.3054, 0.3677

# Monochromacy



## Original Color

67.6316, 0.3435, 0.4766



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.8613, 0.3266, 0.3833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6316, 0.3435, 0.4766 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(172, 232, 111)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 111)  
}
```

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(172, 232, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6316, 0.3435, 0.4766 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(172, 232, 111) }
```

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

```
.border{ border-color:rgb(172, 232, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 232, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 111);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6316, 0.3435, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 111) }
```

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

```
.background{ background-color: rgb(172,  
232, 111) }
```

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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