

# Converting Colors

$Yxy(67.1016, 0.3101, 0.4158)$

Have a look what the booklet for  
Yxy(67.1016, 0.3101, 0.4158)  
contains.

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# Color

**Yxy(67.0594, 0.3106, 0.4162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E6A1
RGB	164, 230, 161
RGB Percent	64%, 90%, 63%
CMY	0.3567, 0.0980, 0.3687
CMYK	0.29, 0.00, 0.30, 0.10
HSL	117°, 58%, 77%
HSV	117°, 30%, 90%
XYZ	50.0448, 67.0594, 44.0188
YIQ	202.4000, -17.1870, -35.4510

# Conversions

## Conversions Part 2

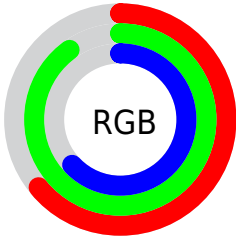
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 230, 227
Decimal	10806945
CIELab	85.53, -33.90, 27.17
CIElCh	86, 43.446, 141.283
Yxy	67.0594, 0.3106, 0.4162
Android (android.graphics.Color)	4288997025 (0xFFA4E6A1)
YUV	202.4000, -20.4102, -33.6768
Hunter-Lab	81.8898, -34.2216, 25.4523

# Details

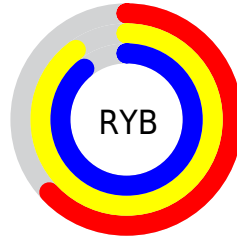
The Yxy color **67.0594, 0.3106, 0.4162** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.5219, 0.3136, 0.2539**, and the grayscale version is **59.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6935, 0.3133, 0.3698**, and **34.6912, 0.3083, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **64.1831, 0.3095, 0.4509**, and if you desaturate by 10%, it is **70.4949, 0.3115, 0.3839**.

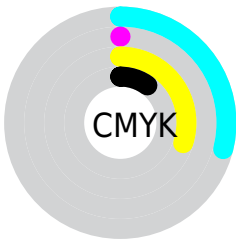
# Distribution



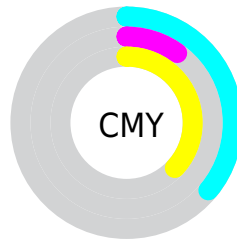
- Red (64%)
- Green (90%)
- Blue (63%)



- Red (63%)
- Yellow (90%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (36%)
- Magenta (10%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0594, 0.3106, 0.4162 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 67.0594, 0.3106, 0.4162 by changing the saturation by 10% instead.



 67.0594, 0.3106,  
0.4162


 67.0594, 0.3106,  
0.4162


450.1562, 0.3128,  
0.3732

 49.1329, 0.3097,  
0.4267


 115.0055, 0.3116,  
0.4007

 34.7249, 0.3085,  
0.4400


 145.7939, 0.3119,  
0.3949

 23.4511, 0.3065,  
0.4574


181.6384, 0.3122,  
0.3899

 14.9269, 0.3034,  
0.4810

222.9234, 0.3124,  
0.3856

 8.7681, 0.2977,  
0.5148

270.0333, 0.3125,  
0.3819

 4.5902, 0.2866,  
0.5661

323.3525, 0.3126,

 2.0089, 0.2866,

0.3786

0.7134

383.2653, 0.3127,  
0.3757

0.6126, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0594, 0.3106,  
0.4162

67.0594, 0.3106,  
0.4162

64.1831, 0.3095,  
0.4509

70.4949, 0.3115,  
0.3839

61.8285, 0.3081,  
0.4866

74.5080, 0.3122,  
0.3547

59.9668, 0.3065,  
0.5211

79.1266, 0.3127,  
0.3290

58.5630, 0.3048,  
0.5517

84.3743, 0.3131,  
0.3066

■ 57.5775, 0.3032,  
0.5758

■ 85.0726, 0.3138,  
0.3048

■ 56.9638, 0.3017,  
0.5916

■ 56.6582, 0.3007,  
0.5994

# Harmonies

## Analogous

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



67.0594, 0.3629, 0.4262



67.0594, 0.3106, 0.4162



67.0594, 0.2614, 0.3748

# Triad

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



67.0594, 0.3106, 0.4162



67.0594, 0.2264, 0.2493



67.0594, 0.4051, 0.3268

# Complementary

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



67.0594, 0.3106, 0.4162



47.5219, 0.3136, 0.2539

# 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.



67.0594, 0.3622, 0.2878



67.0594, 0.3106, 0.4162



67.0594, 0.2585, 0.2445

# Square

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



67.0594, 0.3106, 0.4162



67.0594, 0.2157, 0.2750



67.0594, 0.3074, 0.2586



67.0594, 0.4203, 0.3691



# Rectangle

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



67.0594, 0.3106, 0.4162



67.0594, 0.2366, 0.3385



67.0594, 0.3074, 0.2586



67.0594, 0.3933, 0.3131

# Sweetspot

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



67.0622, 0.3106, 0.4162



94.6835, 0.3123, 0.3521



74.0867, 0.3590, 0.4004



20.0950, 0.3122, 0.3562



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

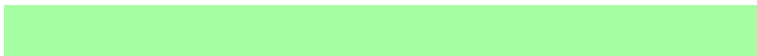


# Same Dimension

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



67.0622, 0.3106, 0.4162



82.4150, 0.3099, 0.4375



67.9764, 0.2905, 0.3761



16.1194, 0.3122, 0.3532



32.0910, 0.3010, 0.5992



2.3822, 0.3038, 0.5970



# Inverse Universe

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



47.5219, 0.3136, 0.2539



53.9841, 0.3136, 0.2386



46.4300, 0.3434, 0.2864



14.5811, 0.3131, 0.3058



11.8489, 0.3099, 0.1481

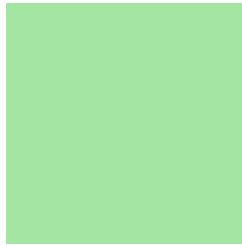


0.8857, 0.3116, 0.1490



# Previews

## White Background



This preview shows how the Yxy color 67.0594, 0.3106, 0.4162 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 67.0594, 0.3106, 0.4162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

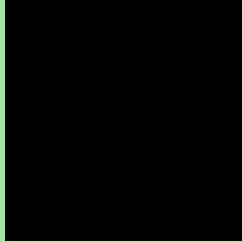
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0594, 0.3106, 0.4162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0594, 0.3106, 0.4162.

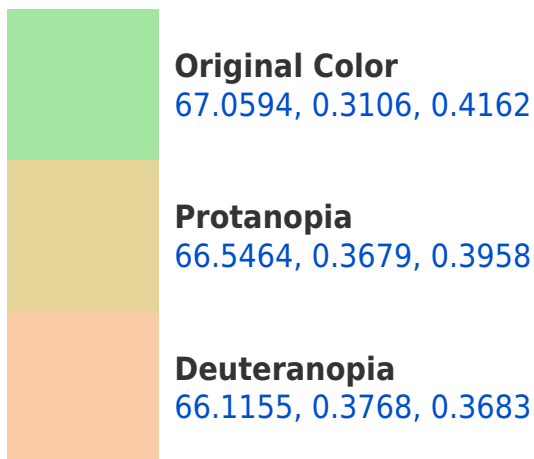


This preview shows how white text looks on a background with the Yxy color 67.0594, 0.3106, 0.4162.

# 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





## Tritanopia

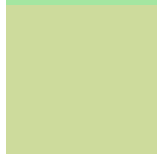
66.8244, 0.2738, 0.3081

# Trichromacy



## Original Color

67.0594, 0.3106, 0.4162



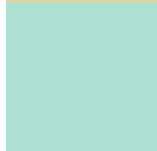
## Protanomaly

66.0425, 0.3450, 0.4033



## Deuteranomaly

65.2105, 0.3505, 0.3841



## Tritanomaly

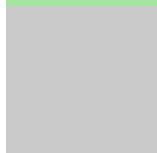
66.8487, 0.2872, 0.3458

# Monochromacy



## Original Color

67.0594, 0.3106, 0.4162



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.3662, 0.3120, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0594, 0.3106, 0.4162 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(164, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 161)  
}
```

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(164, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0594, 0.3106, 0.4162 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(164, 230, 161) }
```

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

```
.border{ border-color:rgb(164, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0594, 0.3106, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 230, 161) }
```

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

```
.background{ background-color: rgb(164,  
230, 161) }
```

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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