

# Converting Colors

$Yxy(67.2834, 0.2919, 0.3927)$

Have a look what the booklet for  
Yxy(67.2834, 0.2919, 0.3927)  
contains.

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# Color

**Yxy(67.2603, 0.2921, 0.3925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E7B5
RGB	153, 231, 181
RGB Percent	60%, 91%, 71%
CMY	0.3999, 0.0941, 0.2903
CMYK	0.34, 0.00, 0.22, 0.09
HSL	142°, 62%, 75%
HSV	142°, 34%, 91%
XYZ	50.0554, 67.2603, 54.0481
YIQ	201.9780, -30.4380, -32.0860

# Conversions

## Conversions Part 2

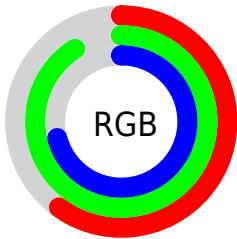
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 210, 231
Decimal	10086325
CIELab	85.64, -34.31, 16.88
CIELCh	86, 38.233, 153.806
Yxy	67.2603, 0.2921, 0.3925
Android (android.graphics.Color)	4288276405 (0xFF99E7B5)
YUV	201.9780, -10.3422, -42.9537
Hunter-Lab	82.0124, -34.5761, 18.3351

# Details

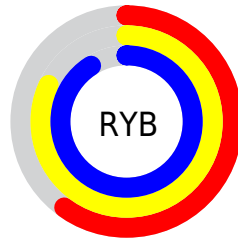
The Yxy color **67.2603, 0.2921, 0.3925** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.0958, 0.3417, 0.2733**, and the grayscale version is **59.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1897, 0.2950, 0.3478**, and **34.8711, 0.2864, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **64.6518, 0.2871, 0.4155**, and if you desaturate by 10%, it is **70.3742, 0.2978, 0.3713**.

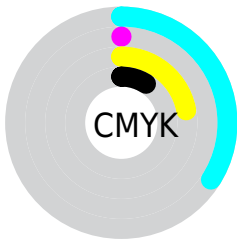
# Distribution



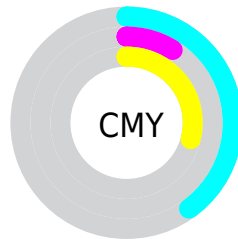
- Red (60%)
- Green (91%)
- Blue (71%)



- Red (60%)
- Yellow (82%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)



- Cyan (40%)
- Magenta (9%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2603, 0.2921, 0.3925 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 67.2603, 0.2921, 0.3925 by changing the saturation by 10% instead.



 67.2603, 0.2921,  
0.3925


 67.2603, 0.2921,  
0.3925


450.8707, 0.3024,  
0.3614

 49.2962, 0.2895,  
0.4001

 115.2933, 0.2958,  
0.3813

 34.8545, 0.2862,  
0.4097


 146.1310, 0.2973,  
0.3771

 23.5508, 0.2819,  
0.4223

182.0287, 0.2985,  
0.3735

 15.0008, 0.2758,  
0.4394

223.3708, 0.2995,  
0.3704

 8.8199, 0.2669,  
0.4641

270.5416, 0.3004,  
0.3677

 4.6239, 0.2527,  
0.5025

323.9256, 0.3011,

 2.0283, 0.2281,

0.3653

383.9072, 0.3018,  
0.3632

0.5728

0.6239, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.2603, 0.2921,  
0.3925

67.2603, 0.2921,  
0.3925

64.6518, 0.2871,  
0.4155

70.3742, 0.2978,  
0.3713

62.5132, 0.2831,  
0.4399

74.0102, 0.3040,  
0.3521

60.8173, 0.2805,  
0.4650

78.1946, 0.3103,  
0.3349

59.5306, 0.2796,  
0.4899

82.9492, 0.3167,  
0.3197

■ 58.6147, 0.2804,  
0.5136

■ 85.6325, 0.3138,  
0.3058

■ 58.0231, 0.2831,  
0.5351

■ 57.7740, 0.2853,  
0.5470

# Harmonies

## Analogous

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



67.2603, 0.3388, 0.4139



67.2603, 0.2921, 0.3925



67.2603, 0.2529, 0.3497

# Triad

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



67.2603, 0.2921, 0.3925



67.2603, 0.2459, 0.2543



67.2603, 0.4028, 0.3435

# Complementary

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



67.2603, 0.2921, 0.3925



44.0958, 0.3417, 0.2733

# 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.



67.2603, 0.3742, 0.3064



67.2603, 0.2921, 0.3925



67.2603, 0.2816, 0.2570

# Square

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



67.2603, 0.2921, 0.3925



67.2603, 0.2279, 0.2698



67.2603, 0.3286, 0.2758



67.2603, 0.4046, 0.3801



# Rectangle

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



67.2603, 0.2921, 0.3925



67.2603, 0.2356, 0.3182



67.2603, 0.3286, 0.2758



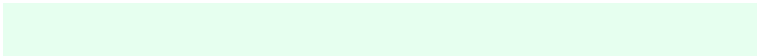
67.2603, 0.3960, 0.3308

# Sweetspot

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



67.2631, 0.2921, 0.3925



94.4712, 0.3063, 0.3455



72.2500, 0.3431, 0.4191



20.0666, 0.3054, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

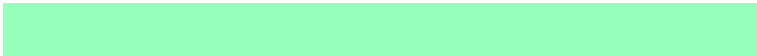


# Same Dimension

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



67.2631, 0.2921, 0.3925



81.6745, 0.2883, 0.4095



69.0583, 0.2710, 0.3431



16.1741, 0.3067, 0.3445



32.4101, 0.2845, 0.5441



2.4123, 0.2762, 0.5144



# Inverse Universe

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



44.0958, 0.3417, 0.2733



48.2536, 0.3504, 0.2609



42.4881, 0.3798, 0.3157



14.5229, 0.3193, 0.3140



10.7509, 0.4369, 0.2180

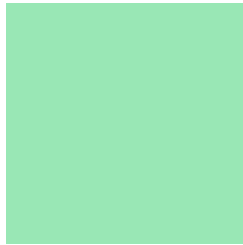


0.8120, 0.4155, 0.2063



# Previews

## White Background



This preview shows how the Yxy color 67.2603, 0.2921, 0.3925 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 67.2603, 0.2921, 0.3925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

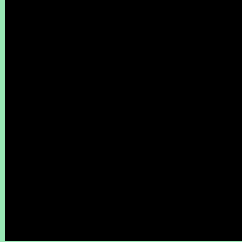
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.2603, 0.2921, 0.3925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2603, 0.2921, 0.3925.



This preview shows how white text looks on a background with the Yxy color 67.2603, 0.2921, 0.3925.

# 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

67.2603, 0.2921, 0.3925

### Protanopia

66.7358, 0.3518, 0.3750

### Deuteranopia

66.2625, 0.3568, 0.3495



## Tritanopia

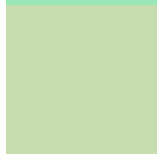
67.1256, 0.2650, 0.3079

# Trichromacy



## Original Color

67.2603, 0.2921, 0.3925



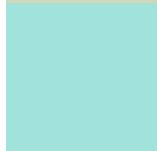
## Protanomaly

66.4237, 0.3275, 0.3824



## Deuteranomaly

65.2555, 0.3305, 0.3638



## Tritanomaly

67.0843, 0.2750, 0.3374

# Monochromacy



## Original Color

67.2603, 0.2921, 0.3925



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.6739, 0.3044, 0.3522

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2603, 0.2921, 0.3925 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(153, 231, 181)` looks like.

```
.text, #text, p{  
    color:rgb(153, 231, 181)  
}
```

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(153, 231, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 231, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2603, 0.2921, 0.3925 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(153, 231, 181) }
```

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

```
.border{ border-color:rgb(153, 231, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 231, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 231, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 231, 181);  
box-shadow:4px 4px 4px 4px rgb(153, 231,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2603, 0.2921, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 231, 181) }
```

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

```
.background{ background-color: rgb(153,  
231, 181) }
```

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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