

# Converting Colors

Yxy(66.9342, 0.2758, 0.3089)

Have a look what the booklet for  
Yxy(66.9342, 0.2758, 0.3089)  
contains.

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# Color

**Yxy(67.0041, 0.2756, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4DCED
RGB	180, 220, 237
RGB Percent	71%, 86%, 93%
CMY	0.2941, 0.1372, 0.0705
CMYK	0.24, 0.07, 0.00, 0.07
HSL	198°, 61%, 82%
HSV	198°, 24%, 93%
XYZ	59.7036, 67.0041, 89.9237
YIQ	209.9780, -29.2970, -3.1930

# Conversions

## Conversions Part 2

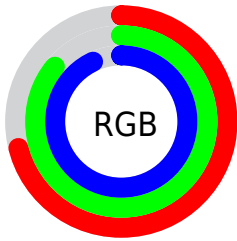
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	180, 204, 237
Decimal	11853037
CIE Lab	85.51, -9.32, -12.63
CIE LCh	86, 15.697, 233.597
Yxy	67.0041, 0.2756, 0.3093
Android (android.graphics.Color)	4290043117 (0xFFB4DCED)
YUV	209.9780, 13.3218, -26.2907
Hunter-Lab	81.8560, -13.0549, -7.8344

# Details

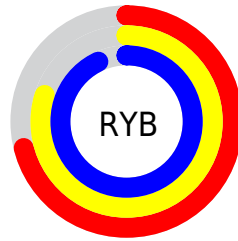
The Yxy color **67.0041, 0.2756, 0.3093** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.2454, 0.3586, 0.3479**, and the grayscale version is **64.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **34.6821, 0.2669, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **60.7656, 0.2607, 0.2998**, and if you desaturate by 10%, it is **73.8915, 0.2910, 0.3180**.

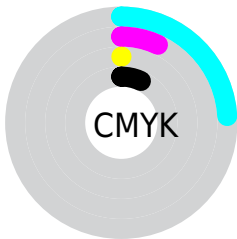
# Distribution



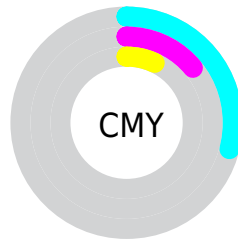
- Red (71%)
- Green (86%)
- Blue (93%)



- Red (71%)
- Yellow (80%)
- Blue (93%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (29%)
- Magenta (14%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0041, 0.2756, 0.3093 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 67.0041, 0.2756, 0.3093 by changing the saturation by 10% instead.



67.0041, 0.2756,  
0.3093

67.0041, 0.2756,  
0.3093

449.9594, 0.2928,  
0.3187

49.0880, 0.2717,  
0.3071

114.9263, 0.2816,  
0.3126

34.6893, 0.2668,  
0.3043

145.7011, 0.2839,  
0.3139

23.4236, 0.2606,  
0.3007

181.5310, 0.2859,  
0.3150

14.9066, 0.2526,  
0.2959

222.8002, 0.2876,  
0.3160

8.7539, 0.2417,  
0.2891

269.8933, 0.2892,  
0.3168

4.5810, 0.2260,  
0.2791

323.1946, 0.2905,

2.0036, 0.2017,

0.3175

0.2627

383.0885, 0.2917,  
0.3182

0.6095, 0.1336,  
0.2314

0.0000, 0.0000,  
0.0000

67.0041, 0.2756,  
0.3093

67.0041, 0.2756,  
0.3093

60.7656, 0.2607,  
0.2998

73.8915, 0.2910,  
0.3180

55.1414, 0.2465,  
0.2896

81.4447, 0.3065,  
0.3260

50.1052, 0.2335,  
0.2789

89.6897, 0.3218,  
0.3332

45.6253, 0.2220,  
0.2677

94.6961, 0.3238,  
0.3400

■ 41.6664, 0.2123,  
0.2563

■ 98.8958, 0.3232,  
0.3463

■ 38.1875, 0.2047,  
0.2449

■ 35.1395, 0.1990,  
0.2336

■ 33.4887, 0.1964,  
0.2270

# Harmonies

## Analogous

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



67.0041, 0.2800, 0.3257



67.0041, 0.2756, 0.3093



67.0041, 0.2807, 0.2989

# Triad

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



67.0041, 0.2756, 0.3093



67.0041, 0.3323, 0.3147



67.0041, 0.3307, 0.3634

# Complementary

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



67.0041, 0.2756, 0.3093



61.2454, 0.3586, 0.3479

# 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.



67.0041, 0.3454, 0.3591



67.0041, 0.2756, 0.3093



67.0041, 0.3464, 0.3308

# Square

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



67.0041, 0.2756, 0.3093



67.0041, 0.3130, 0.3024



67.0041, 0.3513, 0.3470



67.0041, 0.3115, 0.3578



# Rectangle

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



67.0041, 0.2756, 0.3093



67.0041, 0.2889, 0.2964



67.0041, 0.3513, 0.3470



67.0041, 0.3364, 0.3630

# Sweetspot

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



67.0068, 0.2756, 0.3093



93.4180, 0.3019, 0.3237



74.2776, 0.3001, 0.3772



19.8778, 0.3009, 0.3232



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

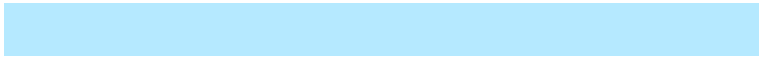


# Same Dimension

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



67.0068, 0.2756, 0.3093



75.2865, 0.2680, 0.3046



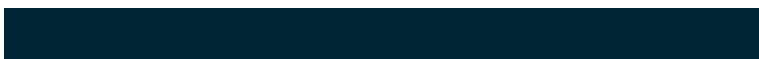
53.6743, 0.2728, 0.2761



16.3186, 0.2981, 0.3218



18.5196, 0.1969, 0.2288



1.6208, 0.2012, 0.2444



# Inverse Universe

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



55.8183, 0.3289, 0.2861



60.2071, 0.3332, 0.2768



74.9749, 0.3519, 0.3769



15.2327, 0.3183, 0.3126



11.3624, 0.4139, 0.2054

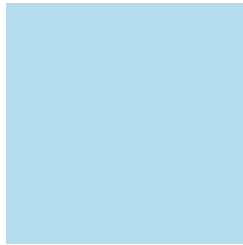


0.9090, 0.3979, 0.1966



# Previews

## White Background



This preview shows how the Yxy color 67.0041, 0.2756, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

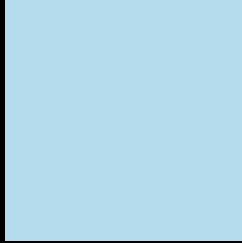
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0041, 0.2756, 0.3093 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 67.0041, 0.2756, 0.3093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0041, 0.2756, 0.3093.

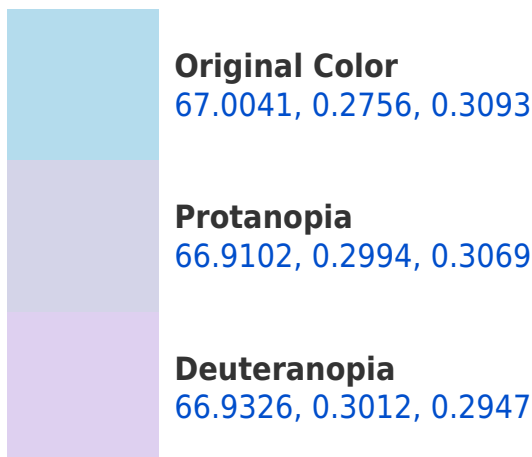


This preview shows how white text looks on a background with the Yxy color 67.0041, 0.2756, 0.3093.

# 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

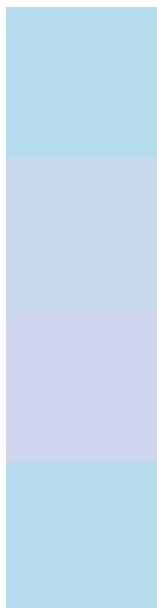




## Tritanopia

67.0041, 0.2756, 0.3093

# Trichromacy



## Original Color

67.0041, 0.2756, 0.3093

## Protanomaly

66.8208, 0.2899, 0.3076

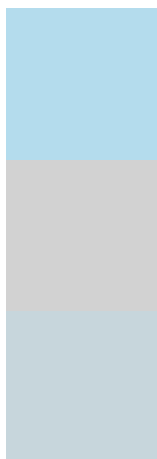
## Deuteranomaly

66.5844, 0.2914, 0.2992

## Tritanomaly

67.0041, 0.2756, 0.3093

# Monochromacy



## Original Color

67.0041, 0.2756, 0.3093

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.4026, 0.2980, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0041, 0.2756, 0.3093 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(180, 220, 237)` looks like.

```
.text, #text, p{  
    color:rgb(180, 220, 237)  
}
```

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(180, 220, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 220, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0041, 0.2756, 0.3093 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(180, 220, 237) }
```

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

```
.border{ border-color:rgb(180, 220, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 220, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 220, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 220, 237);  
box-shadow:4px 4px 4px 4px rgb(180, 220,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0041, 0.2756, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 220, 237) }
```

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

```
.background{ background-color: rgb(180,  
220, 237) }
```

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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