

# Converting Colors

$Yxy(65.7274, 0.2624, 0.3099)$

Have a look what the booklet for  
Yxy(65.7274, 0.2624, 0.3099)  
contains.

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# Color

**Yxy(65.6847, 0.2626, 0.3099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EDEEE
RGB	158, 222, 238
RGB Percent	62%, 87%, 93%
CMY	0.3802, 0.1294, 0.0668
CMYK	0.34, 0.07, 0.00, 0.07
HSL	192°, 70%, 78%
HSV	192°, 34%, 93%
XYZ	55.6593, 65.6847, 90.6105
YIQ	204.6880, -43.2800, -8.5920

# Conversions

## Conversions Part 2

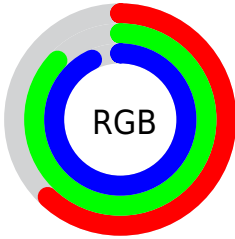
Format	Color
R <sub>Y</sub> B	158, 194, 238
Decimal	10411758
CIE Lab	84.84, -16.32, -14.27
CIE LCh	85, 21.677, 221.158
Yxy	65.6847, 0.2626, 0.3099
Android (android.graphics.Color)	4288601838 (0xFF9EDEEE)
YUV	204.6880, 16.4228, -40.9454
Hunter-Lab	81.0461, -19.2439, -9.5547

# Details

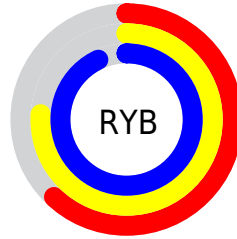
The Yxy color **65.6847, 0.2626, 0.3099** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9287, 0.3856, 0.3471**, and the grayscale version is **60.7643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **33.8984, 0.2508, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **61.0105, 0.2494, 0.3033**, and if you desaturate by 10%, it is **70.9027, 0.2768, 0.3161**.

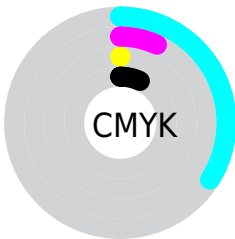
# Distribution



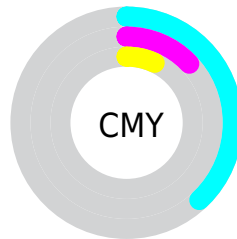
- Red (62%)
- Green (87%)
- Blue (93%)



- Red (62%)
- Yellow (76%)
- Blue (93%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)




- Cyan (38%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6847, 0.2626, 0.3099 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 65.6847, 0.2626, 0.3099 by changing the saturation by 10% instead.




 65.6847, 0.2626,  
0.3099


 65.6847, 0.2626,  
0.3099

445.2484, 0.2858,  
0.3193

 48.0165, 0.2573,  
0.3076


 113.0337, 0.2706,  
0.3133

 33.8399, 0.2508,  
0.3047


 143.4832, 0.2738,  
0.3146

 22.7707, 0.2426,  
0.3010

178.9620, 0.2765,  
0.3156

 14.4243, 0.2319,  
0.2958

219.8545, 0.2788,  
0.3166

 8.4163, 0.2174,  
0.2886

266.5449, 0.2809,  
0.3174

 4.3625, 0.1970,  
0.2775

319.4178, 0.2827,

 1.8783, 0.1661,

0.3181

378.8575, 0.2843,  
0.3188

0.2589

0.5353, 0.0466,  
0.2262

0.0000, 0.0000,  
0.0000

65.6847, 0.2626,  
0.3099

65.6847, 0.2626,  
0.3099

61.0105, 0.2494,  
0.3033

70.9027, 0.2768,  
0.3161

56.8447, 0.2376,  
0.2963

76.6821, 0.2918,  
0.3219

53.1593, 0.2274,  
0.2891

83.0493, 0.3072,  
0.3272

49.9204, 0.2191,  
0.2817

90.0265, 0.3227,  
0.3320

■ 47.0885, 0.2127,  
0.2744

■ 93.2108, 0.3234,  
0.3366

■ 44.6158, 0.2083,  
0.2671

■ 96.1387, 0.3230,  
0.3412

■ 43.1712, 0.2062,  
0.2624

■ 98.9514, 0.3226,  
0.3454

# Harmonies

## Analogous

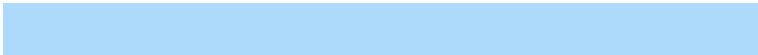
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.6847, 0.2737, 0.3348



65.6847, 0.2626, 0.3099



65.6847, 0.2642, 0.2918

# Triad

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



65.6847, 0.2626, 0.3099



65.6847, 0.3290, 0.3015



65.6847, 0.3472, 0.3760

# Complementary

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



65.6847, 0.2626, 0.3099



50.9287, 0.3856, 0.3471

# 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.



65.6847, 0.3634, 0.3644



65.6847, 0.2626, 0.3099



65.6847, 0.3528, 0.3217

# Square

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



65.6847, 0.2626, 0.3099



65.6847, 0.3016, 0.2880



65.6847, 0.3656, 0.3444



65.6847, 0.3221, 0.3745



# Rectangle

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



65.6847, 0.2626, 0.3099



65.6847, 0.2722, 0.2855



65.6847, 0.3656, 0.3444



65.6847, 0.3539, 0.3734

# Sweetspot

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



65.6873, 0.2626, 0.3099



92.2709, 0.2972, 0.3239



71.4136, 0.2999, 0.4104



19.5294, 0.2951, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

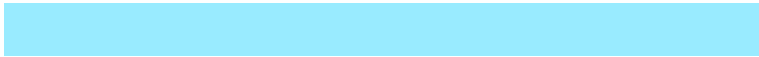


# Same Dimension

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



65.6873, 0.2626, 0.3099



73.1855, 0.2538, 0.3056



47.4647, 0.2563, 0.2614



17.3608, 0.2981, 0.3242



24.2793, 0.2066, 0.2636



2.1545, 0.2092, 0.2731



# Inverse Universe

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



47.9204, 0.3302, 0.2608



50.0181, 0.3345, 0.2476



68.0637, 0.3716, 0.3883



15.9741, 0.3168, 0.3103



12.2444, 0.3790, 0.1861

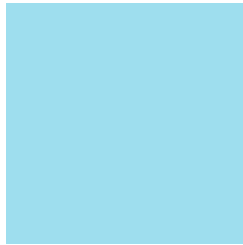


1.0322, 0.3699, 0.1811



# Previews

## White Background



This preview shows how the Yxy color 65.6847, 0.2626, 0.3099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

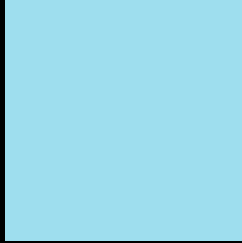
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6847, 0.2626, 0.3099 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 65.6847, 0.2626, 0.3099**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6847, 0.2626, 0.3099.



This preview shows how white text looks on a background with the Yxy color 65.6847, 0.2626, 0.3099.

# 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

65.6847, 0.2626, 0.3099

### Protanopia

65.3617, 0.2985, 0.3067

### Deuteranopia

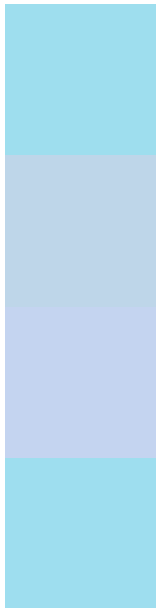
65.2452, 0.2970, 0.2911



## Tritanopia

65.8029, 0.2615, 0.3076

# Trichromacy



**Original Color**

65.6847, 0.2626, 0.3099

**Protanomaly**

64.9235, 0.2838, 0.3072

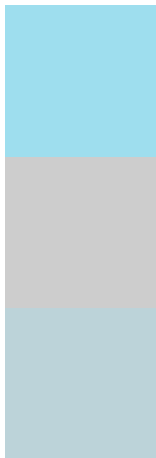
**Deuteranomaly**

65.1140, 0.2834, 0.2975

**Tritanomaly**

65.7436, 0.2620, 0.3087

# Monochromacy



**Original Color**

65.6847, 0.2626, 0.3099

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.2897, 0.2922, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6847, 0.2626, 0.3099 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(158, 222, 238)` looks like.

```
.text, #text, p{  
    color:rgb(158, 222, 238)  
}
```

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(158, 222, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 222, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6847, 0.2626, 0.3099 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(158, 222, 238) }
```

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

```
.border{ border-color:rgb(158, 222, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 222, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 222, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 222, 238);  
box-shadow:4px 4px 4px 4px rgb(158, 222,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6847, 0.2626, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 222, 238) }
```

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

```
.background{ background-color: rgb(158,  
222, 238) }
```

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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