

# Converting Colors

$Y_{xy}(66.1815, 0.2665, 0.3150)$

Have a look what the booklet for  
Yxy(66.1815, 0.2665, 0.3150)  
contains.

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# Color

**Yxy(66.2929, 0.2665, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1DFEA
RGB	161, 223, 234
RGB Percent	63%, 87%, 92%
CMY	0.3684, 0.1255, 0.0824
CMYK	0.31, 0.05, 0.00, 0.08
HSL	189°, 63%, 77%
HSV	189°, 31%, 92%
XYZ	55.9438, 66.2929, 87.6838
YIQ	205.7160, -40.4830, -9.7230

# Conversions

## Conversions Part 2

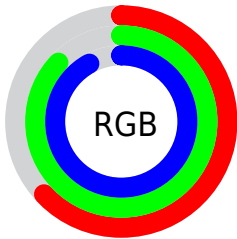
Format	Color
<b>RYB</b>	161, 195, 234
Decimal	10608618
CIELab	85.15, -16.95, -11.68
CIELCh	85, 20.584, 214.585
Yxy	66.2929, 0.2665, 0.3158
Android (android.graphics.Color)	4288798698 (0xFFA1DFEA)
YUV	205.7160, 13.9440, -39.2159
Hunter-Lab	81.4205, -19.8388, -6.8566

# Details

The Yxy color **66.2929, 0.2665, 0.3158** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5925, 0.3799, 0.3417**, and the grayscale version is **61.4670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **34.3454, 0.2561, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **62.2207, 0.2535, 0.3109**, and if you desaturate by 10%, it is **70.8646, 0.2806, 0.3204**.

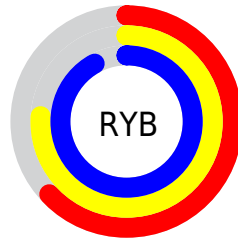
# Distribution



Red (63%)

Green (87%)

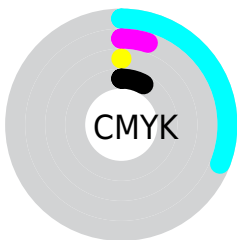
Blue (92%)



Red (63%)

Yellow (76%)

Blue (92%)

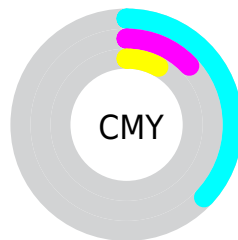


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (37%)

Magenta (13%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2929, 0.2665, 0.3158 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 66.2929, 0.2665, 0.3158 by changing the saturation by 10% instead.





 66.2929, 0.2665,  
0.3158


 66.2929, 0.2665,  
0.3158


447.4237, 0.2879,  
0.3224

 48.5102, 0.2616,  
0.3142


 113.9066, 0.2739,  
0.3182

 34.2311, 0.2556,  
0.3121


 144.5064, 0.2768,  
0.3191

 23.0712, 0.2480,  
0.3094


180.1474, 0.2793,  
0.3198

 14.6461, 0.2380,  
0.3057

221.2140, 0.2815,  
0.3205

 8.5714, 0.2246,  
0.3004

268.0905, 0.2834,  
0.3211

 4.4627, 0.2054,  
0.2921

321.1613, 0.2851,

 1.9356, 0.1762,

0.3216

0.2778

380.8109, 0.2866,  
0.3220

0.5696, 0.0576,  
0.2571

0.0000, 0.0000,  
0.0000

66.2929, 0.2665,  
0.3158

66.2929, 0.2665,  
0.3158

62.2207, 0.2535,  
0.3109

70.8646, 0.2806,  
0.3204

58.6144, 0.2419,  
0.3058

75.9517, 0.2955,  
0.3247

55.4485, 0.2319,  
0.3005

81.5787, 0.3109,  
0.3286

52.6917, 0.2238,  
0.2951

87.7664, 0.3265,  
0.3321

■ 50.3077, 0.2177,  
0.2897

■ 89.8970, 0.3264,  
0.3355

■ 48.2536, 0.2135,  
0.2843

■ 92.0023, 0.3260,  
0.3390

■ 46.6523, 0.2110,  
0.2796

■ 94.1482, 0.3257,  
0.3424

■ 96.3351, 0.3254,  
0.3457

■ 98.5630, 0.3250,  
0.3491

# Harmonies

## Analogous

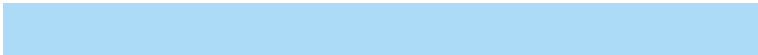
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2929, 0.2795, 0.3399



66.2929, 0.2665, 0.3158



66.2929, 0.2653, 0.2968

# Triad

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



66.2929, 0.2665, 0.3158



66.2929, 0.3225, 0.2994



66.2929, 0.3496, 0.3721

# Complementary

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



66.2929, 0.2665, 0.3158



49.5925, 0.3799, 0.3417

# 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.



66.2929, 0.3623, 0.3590



66.2929, 0.2665, 0.3158



66.2929, 0.3464, 0.3175

# Square

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



66.2929, 0.2665, 0.3158



66.2929, 0.2968, 0.2884



66.2929, 0.3612, 0.3390



66.2929, 0.3272, 0.3735



# Rectangle

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



66.2929, 0.2665, 0.3158



66.2929, 0.2713, 0.2892



66.2929, 0.3612, 0.3390



66.2929, 0.3552, 0.3688

# Sweetspot

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



66.2955, 0.2665, 0.3158



93.7158, 0.2988, 0.3255



69.4036, 0.3022, 0.4066



19.8526, 0.2965, 0.3249



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.



66.2955, 0.2665, 0.3158



77.5362, 0.2585, 0.3129



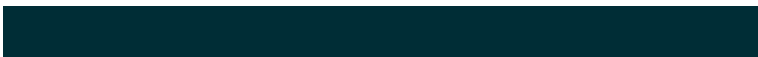
48.8873, 0.2611, 0.2702



16.7123, 0.2981, 0.3254



26.3659, 0.2112, 0.2805



2.1753, 0.2133, 0.2879



# Inverse Universe

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



48.3279, 0.3256, 0.2622



52.9648, 0.3286, 0.2495



65.4058, 0.3676, 0.3814



15.2724, 0.3161, 0.3092



12.1545, 0.3630, 0.1774

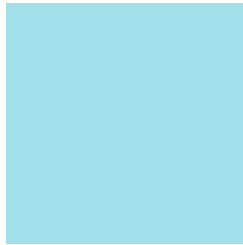


0.9650, 0.3563, 0.1736



# Previews

## White Background



This preview shows how the Yxy color 66.2929, 0.2665, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

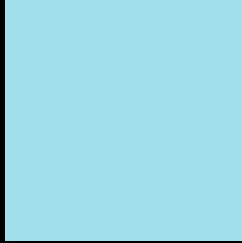
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2929, 0.2665, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

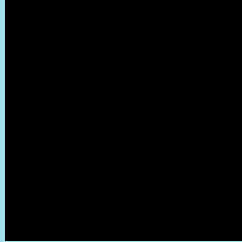
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.2929, 0.2665, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2929, 0.2665, 0.3158.

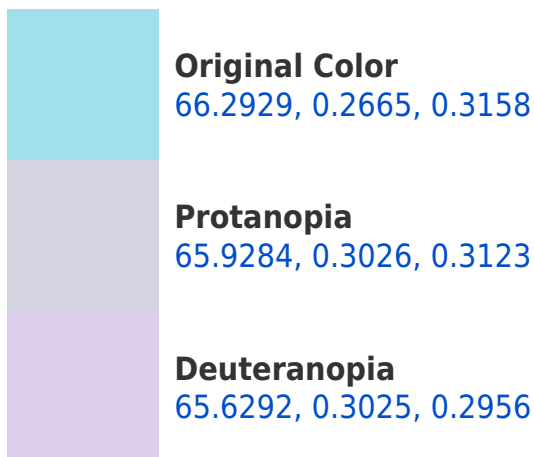


This preview shows how white text looks on a background with the Yxy color 66.2929, 0.2665, 0.3158.

# 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

66.2152, 0.2637, 0.3077

# Trichromacy



**Original Color**

66.2929, 0.2665, 0.3158

**Protanomaly**

65.5955, 0.2883, 0.3129

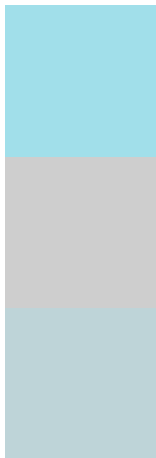
**Deuteranomaly**

65.2852, 0.2879, 0.3020

**Tritanomaly**

66.0970, 0.2648, 0.3100

# Monochromacy



**Original Color**

66.2929, 0.2665, 0.3158

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.9920, 0.2943, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.2929, 0.2665, 0.3158 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(161, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(161, 223, 234)  
}
```

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(161, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 223, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2929, 0.2665, 0.3158 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(161, 223, 234) }
```

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

```
.border{ border-color:rgb(161, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 223, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 223, 234); box-shadow:4px 4px 4px 4px rgb(161, 223, 234) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2929, 0.2665, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 223, 234) }
```

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

```
.background{ background-color: rgb(161,  
223, 234) }
```

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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