

# Converting Colors

$Yxy(69.1391, 0.2766, 0.3182)$

Have a look what the booklet for  
Yxy(69.1391, 0.2766, 0.3182)  
contains.

<b>Yxy(69.2559, 0.2766, 0.3185)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.2559, 0.2766, 0.3185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E1EA
RGB	178, 225, 234
RGB Percent	70%, 88%, 92%
CMY	0.3018, 0.1177, 0.0823
CMYK	0.24, 0.04, 0.00, 0.08
HSL	190°, 57%, 81%
HSV	190°, 24%, 92%
XYZ	60.1450, 69.2559, 88.0431
YIQ	211.9730, -30.9010, -7.1650

# Conversions

## Conversions Part 2

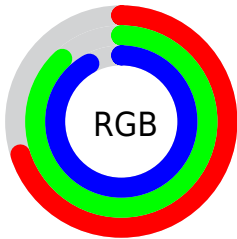
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 204, 234
Decimal	11723242
CIE <sub>Lab</sub>	86.63, -13.11, -9.38
CIE <sub>LCh</sub>	87, 16.119, 215.575
Yxy	69.2559, 0.2766, 0.3185
Android (android.graphics.Color)	4289913322 (0xFFB2E1EA)
YUV	211.9730, 10.8593, -29.7943
Hunter-Lab	83.2201, -16.6294, -4.4720

# Details

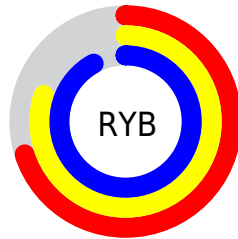
The Yxy color **69.2559, 0.2766, 0.3185** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2765, 0.3602, 0.3392**, and the grayscale version is **65.7688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.2489, 0.2684, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **64.7065, 0.2627, 0.3135**, and if you desaturate by 10%, it is **74.3281, 0.2914, 0.3232**.

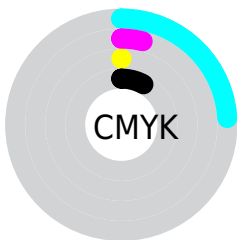
# Distribution



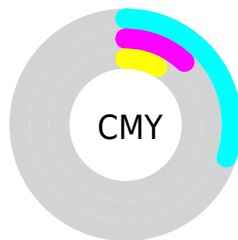
- Red (70%)
- Green (88%)
- Blue (92%)



- Red (70%)
- Yellow (80%)
- Blue (92%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



- Cyan (30%)
- Magenta (12%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2559, 0.2766, 0.3185 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 69.2559, 0.2766, 0.3185 by changing the saturation by 10% instead.



69.2559, 0.2766,  
0.3185

69.2559, 0.2766,  
0.3185

457.9330, 0.2933,  
0.3236

50.9201, 0.2728,  
0.3173

118.1470, 0.2824,  
0.3203

36.1451, 0.2681,  
0.3157

149.4711, 0.2846,  
0.3210

24.5462, 0.2622,  
0.3137

185.8935, 0.2866,  
0.3216

15.7393, 0.2545,  
0.3109

227.7986, 0.2882,  
0.3221

9.3399, 0.2441,  
0.3070

275.5706, 0.2897,  
0.3226

4.9635, 0.2291,  
0.3010

329.5941, 0.2910,

2.2259, 0.2061,

0.3230

0.2909

390.2534, 0.2922,  
0.3233

0.7340, 0.1423,  
0.2765

0.0000, 0.0000,  
0.0000

69.2559, 0.2766,  
0.3185

69.2559, 0.2766,  
0.3185

64.7065, 0.2627,  
0.3135

74.3281, 0.2914,  
0.3232

60.6471, 0.2499,  
0.3082

79.9372, 0.3067,  
0.3274

57.0544, 0.2386,  
0.3026

86.1072, 0.3222,  
0.3313

53.8993, 0.2290,  
0.2969

89.5617, 0.3264,  
0.3350

■ 51.1491, 0.2213,  
0.2911

■ 91.8047, 0.3260,  
0.3386

■ 48.7662, 0.2156,  
0.2853

■ 94.0941, 0.3257,  
0.3423

■ 46.7047, 0.2117,  
0.2795

■ 96.4301, 0.3253,  
0.3459

■ 45.5642, 0.2100,  
0.2761

■ 98.7209, 0.3250,  
0.3493

# Harmonies

## Analogous

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



69.2559, 0.2866, 0.3368



69.2559, 0.2766, 0.3185



69.2559, 0.2760, 0.3039

# Triad

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



69.2559, 0.2766, 0.3185



69.2559, 0.3211, 0.3063



69.2559, 0.3408, 0.3624

# Complementary

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



69.2559, 0.2766, 0.3185



56.2765, 0.3602, 0.3392

# 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.



69.2559, 0.3508, 0.3529



69.2559, 0.2766, 0.3185



69.2559, 0.3392, 0.3207

# Square

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



69.2559, 0.2766, 0.3185



69.2559, 0.3011, 0.2975



69.2559, 0.3502, 0.3376



69.2559, 0.3234, 0.3629



# Rectangle

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



69.2559, 0.2766, 0.3185



69.2559, 0.2809, 0.2980



69.2559, 0.3502, 0.3376



69.2559, 0.3452, 0.3601

# Sweetspot

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



69.2587, 0.2766, 0.3185



94.9498, 0.3018, 0.3261



71.8839, 0.3046, 0.3861



20.2333, 0.3009, 0.3259



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

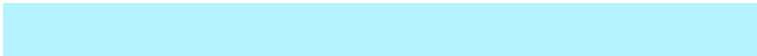


# Same Dimension

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



69.2587, 0.2766, 0.3185



81.2048, 0.2692, 0.3159



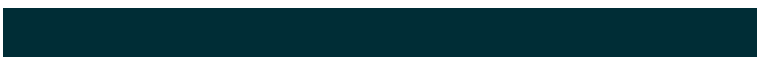
55.6327, 0.2739, 0.2857



16.6847, 0.2981, 0.3251



25.7592, 0.2103, 0.2770



2.1332, 0.2125, 0.2849



# Inverse Universe

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



54.7897, 0.3226, 0.2785



60.8046, 0.3252, 0.2673



69.0163, 0.3534, 0.3688



15.2697, 0.3162, 0.3095



12.0932, 0.3663, 0.1791

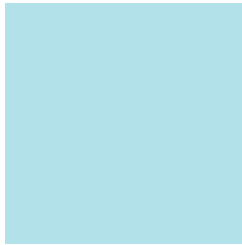


0.9608, 0.3589, 0.1751



# Previews

## White Background



This preview shows how the Yxy color 69.2559, 0.2766, 0.3185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

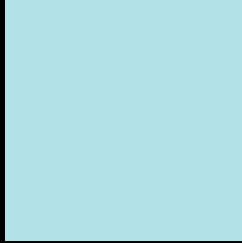
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2559, 0.2766, 0.3185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

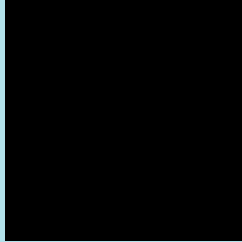
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.2559, 0.2766, 0.3185**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.2559, 0.2766, 0.3185.

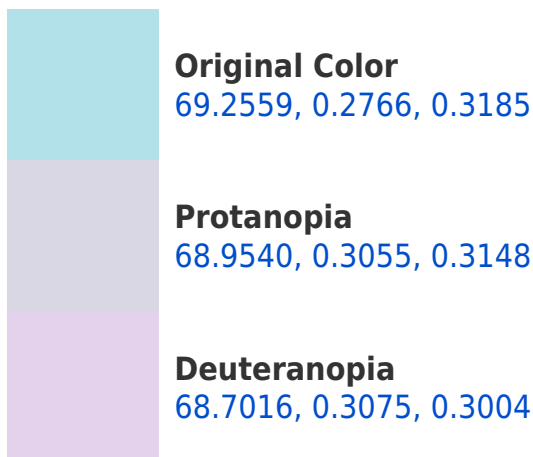


This preview shows how white text looks on a background with the Yxy color 69.2559, 0.2766, 0.3185.

# 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

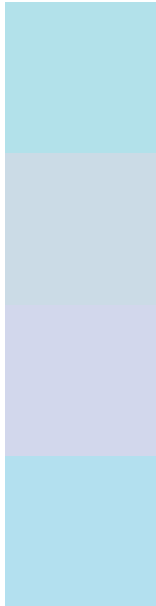




## Tritanopia

69.4254, 0.2732, 0.3084

# Trichromacy



## Original Color

69.2559, 0.2766, 0.3185

## Protanomaly

69.0727, 0.2945, 0.3167

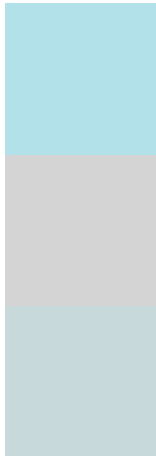
## Deuteranomaly

68.3586, 0.2955, 0.3059

## Tritanomaly

69.1270, 0.2743, 0.3117

# Monochromacy



## Original Color

69.2559, 0.2766, 0.3185

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

67.0724, 0.2987, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2559, 0.2766, 0.3185 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(178, 225, 234)` looks like.

```
.text, #text, p{  
    color:rgb(178, 225, 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(178, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 225, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2559, 0.2766, 0.3185 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(178, 225, 234) }
```

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

```
.border{ border-color:rgb(178, 225, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 225, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(178, 225,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2559, 0.2766, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 225, 234) }
```

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

```
.background{ background-color: rgb(178,  
225, 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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