

# Converting Colors

$Yxy(69.1367, 0.2743, 0.3162)$

Have a look what the booklet for  
Yxy(69.1367, 0.2743, 0.3162)  
contains.

<b>Yxy(69.1367, 0.2743, 0.3162)</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(69.1367, 0.2743, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E1EC
RGB	176, 225, 236
RGB Percent	69%, 88%, 93%
CMY	0.3097, 0.1177, 0.0745
CMYK	0.25, 0.05, 0.00, 0.07
HSL	191°, 61%, 81%
HSV	191°, 25%, 93%
XYZ	59.9753, 69.1367, 89.5366
YIQ	211.6030, -32.7350, -6.9670

# Conversions

## Conversions Part 2

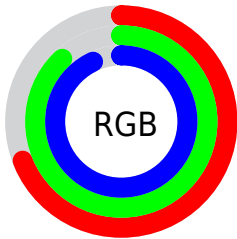
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 203, 236
Decimal	11592172
CIE Lab	86.57, -13.26, -10.53
CIE LCh	87, 16.931, 218.444
Yxy	69.1367, 0.2743, 0.3162
Android (android.graphics.Color)	4289782252 (0xFFB0E1EC)
YUV	211.6030, 12.0277, -31.2238
Hunter-Lab	83.1485, -16.7571, -5.6412

# Details

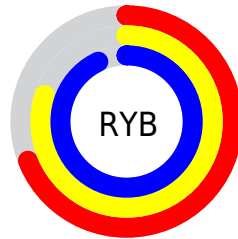
The Yxy color **69.1367, 0.2743, 0.3162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.5246, 0.3637, 0.3414**, and the grayscale version is **65.5020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.1823, 0.2656, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **64.3116, 0.2604, 0.3104**, and if you desaturate by 10%, it is **74.5050, 0.2891, 0.3216**.

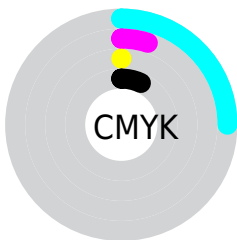
# Distribution



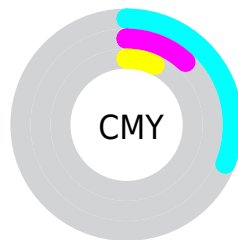
- Red (69%)
- Green (88%)
- Blue (93%)



- Red (69%)
- Yellow (80%)
- Blue (93%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (31%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1367, 0.2743, 0.3162 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 69.1367, 0.2743, 0.3162 by changing the saturation by 10% instead.



■ 69.1367, 0.2743,  
0.3162

■ 69.1367, 0.2743,  
0.3162

457.5130, 0.2920,  
0.3224

■ 50.8230, 0.2703,  
0.3147

■ 117.9768, 0.2804,  
0.3184

■ 36.0678, 0.2653,  
0.3128

149.2720, 0.2828,  
0.3193

■ 24.4866, 0.2590,  
0.3104

185.6633, 0.2849,  
0.3200

■ 15.6949, 0.2509,  
0.3071

227.5349, 0.2867,  
0.3206

■ 9.3085, 0.2398,  
0.3024

275.2712, 0.2883,  
0.3212

■ 4.9430, 0.2241,  
0.2953

329.2568, 0.2896,

■ 2.2138, 0.2000,

0.3216

0.2834

389.8759, 0.2909,  
0.3221

0.7275, 0.1342,  
0.2655

0.0000, 0.0000,  
0.0000

69.1367, 0.2743,  
0.3162

69.1367, 0.2743,  
0.3162

64.3116, 0.2604,  
0.3104

74.5050, 0.2891,  
0.3216

59.9961, 0.2476,  
0.3043

80.4314, 0.3043,  
0.3265

56.1656, 0.2362,  
0.2979

86.9407, 0.3198,  
0.3310

52.7899, 0.2266,  
0.2913

91.0073, 0.3250,  
0.3352

■ 49.8348, 0.2189,  
0.2846

■ 93.6194, 0.3246,  
0.3394

■ 47.2608, 0.2131,  
0.2779

■ 96.2930, 0.3242,  
0.3435

■ 45.0189, 0.2092,  
0.2713

■ 98.8359, 0.3238,  
0.3473

■ 44.0655, 0.2079,  
0.2683

# Harmonies

## Analogous

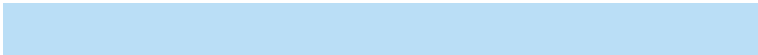
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1367, 0.2839, 0.3354



69.1367, 0.2743, 0.3162



69.1367, 0.2746, 0.3015

# Triad

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



69.1367, 0.2743, 0.3162



69.1367, 0.3235, 0.3064



69.1367, 0.3408, 0.3646

# Complementary

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



69.1367, 0.2743, 0.3162



56.5246, 0.3637, 0.3414

# 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.



69.1367, 0.3522, 0.3553



69.1367, 0.2743, 0.3162



69.1367, 0.3421, 0.3219

# Square

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



69.1367, 0.2743, 0.3162



69.1367, 0.3024, 0.2965



69.1367, 0.3527, 0.3396



69.1367, 0.3220, 0.3642



# Rectangle

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



69.1367, 0.2743, 0.3162



69.1367, 0.2803, 0.2959



69.1367, 0.3527, 0.3396



69.1367, 0.3456, 0.3625

# Sweetspot

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



69.1395, 0.2743, 0.3162



93.9697, 0.3003, 0.3253



72.8125, 0.3029, 0.3878



19.8813, 0.2980, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

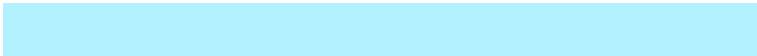


# Same Dimension

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



69.1395, 0.2743, 0.3162



79.6351, 0.2676, 0.3135



54.3317, 0.2710, 0.2801



16.6246, 0.2981, 0.3246



24.4672, 0.2082, 0.2693



2.0432, 0.2107, 0.2785



# Inverse Universe

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



54.3339, 0.3244, 0.2766



59.6490, 0.3270, 0.2667



70.5989, 0.3558, 0.3735



15.2636, 0.3166, 0.3100



11.9628, 0.3735, 0.1831

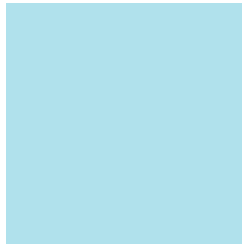


0.9517, 0.3649, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 69.1367, 0.2743, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

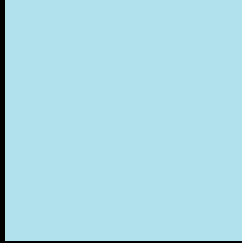
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1367, 0.2743, 0.3162 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 69.1367, 0.2743, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1367, 0.2743, 0.3162.

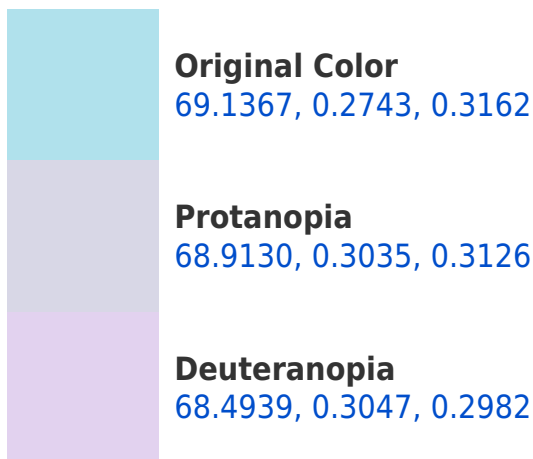


This preview shows how white text looks on a background with the Yxy color 69.1367, 0.2743, 0.3162.

# 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

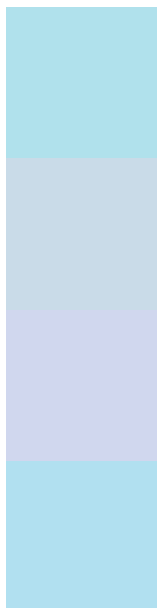




## Tritanopia

69.0692, 0.2715, 0.3083

# Trichromacy



## Original Color

69.1367, 0.2743, 0.3162

## Protanomaly

68.9067, 0.2919, 0.3144

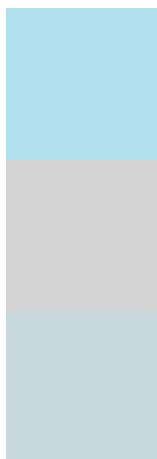
## Deuteranomaly

68.1838, 0.2928, 0.3037

## Tritanomaly

68.9497, 0.2726, 0.3106

# Monochromacy



## Original Color

69.1367, 0.2743, 0.3162

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.9883, 0.2974, 0.3244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1367, 0.2743, 0.3162 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(176, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(176, 225, 236)  
}
```

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(176, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 225, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1367, 0.2743, 0.3162 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(176, 225, 236) }
```

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

```
.border{ border-color:rgb(176, 225, 236) }
```

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

Here you see how a box with a 4 pixel rgb(176, 225, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(176, 225,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1367, 0.2743, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 225, 236) }
```

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

```
.background{ background-color: rgb(176,  
225, 236) }
```

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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