

# Converting Colors

$Yxy(69.0037, 0.2666, 0.3160)$

Have a look what the booklet for  
Yxy(69.0037, 0.2666, 0.3160)  
contains.

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# Color

**Yxy(69.0037, 0.2666, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E3EE
RGB	164, 227, 238
RGB Percent	64%, 89%, 93%
CMY	0.3567, 0.1098, 0.0666
CMYK	0.31, 0.05, 0.00, 0.07
HSL	189°, 69%, 79%
HSV	189°, 31%, 93%
XYZ	58.2164, 69.0037, 91.1460
YIQ	209.4170, -41.0790, -9.9350

# Conversions

## Conversions Part 2

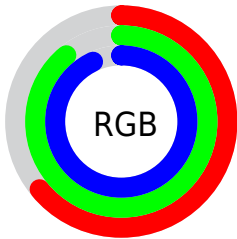
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 198, 238
Decimal	10806254
CIELab	86.51, -17.21, -11.76
CIELCh	87, 20.843, 214.336
Yxy	69.0037, 0.2666, 0.3160
Android (android.graphics.Color)	4288996334 (0xFFA4E3EE)
YUV	209.4170, 14.0914, -39.8307
Hunter-Lab	83.0685, -20.2726, -6.9074

# Details

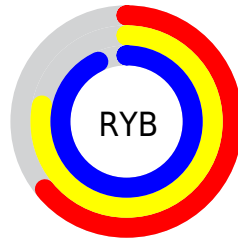
The Yxy color **69.0037, 0.2666, 0.3160** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.5359, 0.3797, 0.3415**, and the grayscale version is **63.9786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.1337, 0.2559, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **64.7881, 0.2536, 0.3112**, and if you desaturate by 10%, it is **73.7386, 0.2807, 0.3205**.

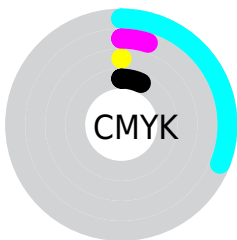
# Distribution



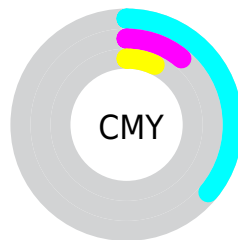
- Red (64%)
- Green (89%)
- Blue (93%)



- Red (64%)
- Yellow (78%)
- Blue (93%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0037, 0.2666, 0.3160 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 69.0037, 0.2666, 0.3160 by changing the saturation by 10% instead.




 69.0037, 0.2666,  
0.3160

 69.0037, 0.2666,  
0.3160

457.0440, 0.2878,  
0.3225

 50.7147, 0.2618,  
0.3144


 117.7869, 0.2739,  
0.3183

 35.9816, 0.2559,  
0.3124


 149.0498, 0.2768,  
0.3192

 24.4200, 0.2485,  
0.3098


185.4063, 0.2792,  
0.3199

 15.6455, 0.2388,  
0.3063

227.2405, 0.2814,  
0.3206

 9.2736, 0.2258,  
0.3012

274.9371, 0.2833,  
0.3211

 4.9201, 0.2074,  
0.2934

328.8802, 0.2850,

 2.2005, 0.1797,

0.3216

0.2802

389.4544, 0.2865,  
0.3221

0.7202, 0.0964,  
0.2625

0.0000, 0.0000,  
0.0000

69.0037, 0.2666,  
0.3160

69.0037, 0.2666,  
0.3160

64.7881, 0.2536,  
0.3112

73.7386, 0.2807,  
0.3205

61.0568, 0.2420,  
0.3061

79.0091, 0.2956,  
0.3248

57.7831, 0.2320,  
0.3009

84.8409, 0.3110,  
0.3286

54.9344, 0.2240,  
0.2956

90.4441, 0.3238,  
0.3321

■ 52.4731, 0.2178,  
0.2902

■ 92.5639, 0.3235,  
0.3355

■ 50.3543, 0.2136,  
0.2849

■ 94.7246, 0.3232,  
0.3390

■ 48.6892, 0.2112,  
0.2802

■ 96.9267, 0.3229,  
0.3423

■ 98.9536, 0.3226,  
0.3454

# Harmonies

## Analogous

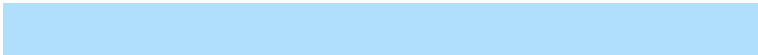
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0037, 0.2797, 0.3400



69.0037, 0.2666, 0.3160



69.0037, 0.2653, 0.2969

# Triad

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



69.0037, 0.2666, 0.3160



69.0037, 0.3223, 0.2993



69.0037, 0.3498, 0.3720

# Complementary

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



69.0037, 0.2666, 0.3160



51.5359, 0.3797, 0.3415

# 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.



69.0037, 0.3624, 0.3588



69.0037, 0.2666, 0.3160



69.0037, 0.3462, 0.3174

# Square

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



69.0037, 0.2666, 0.3160



69.0037, 0.2966, 0.2884



69.0037, 0.3611, 0.3388



69.0037, 0.3274, 0.3735

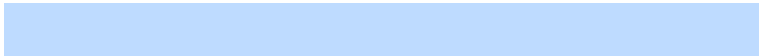


# Rectangle

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



69.0037, 0.2666, 0.3160



69.0037, 0.2712, 0.2893



69.0037, 0.3611, 0.3388



69.0037, 0.3553, 0.3687

# Sweetspot

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



69.0064, 0.2666, 0.3160



93.7440, 0.2988, 0.3256



72.1022, 0.3029, 0.4080



19.8596, 0.2965, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

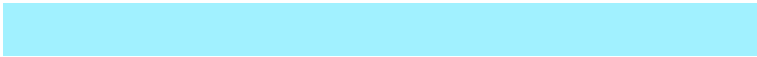


# Same Dimension

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



69.0064, 0.2666, 0.3160



77.6457, 0.2586, 0.3131



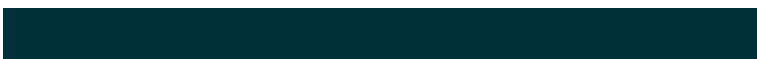
51.3985, 0.2614, 0.2719



17.5046, 0.2981, 0.3254



27.3124, 0.2114, 0.2811



2.3800, 0.2133, 0.2880



# Inverse Universe

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



50.2860, 0.3254, 0.2622



52.9759, 0.3284, 0.2493



67.3909, 0.3679, 0.3800



15.9886, 0.3161, 0.3091



12.5506, 0.3625, 0.1770

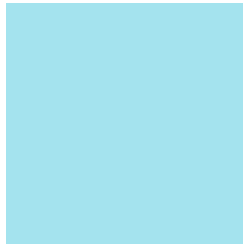


1.0550, 0.3561, 0.1736



# Previews

## White Background



This preview shows how the Yxy color 69.0037, 0.2666, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

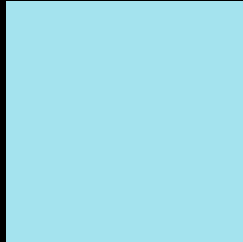
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0037, 0.2666, 0.3160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

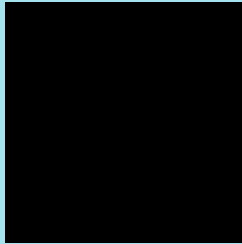
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0037, 0.2666, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0037, 0.2666, 0.3160.

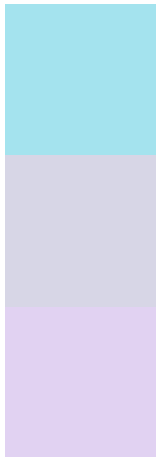


This preview shows how white text looks on a background with the Yxy color 69.0037, 0.2666, 0.3160.

# 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

69.0037, 0.2666, 0.3160

### Protanopia

68.2534, 0.3028, 0.3115

### Deuteranopia

68.5115, 0.3020, 0.2951



## Tritanopia

68.9237, 0.2639, 0.3080

# Trichromacy



**Original Color**

69.0037, 0.2666, 0.3160

**Protanomaly**

68.2820, 0.2880, 0.3132

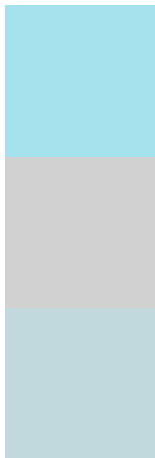
**Deuteranomaly**

68.1591, 0.2877, 0.3014

**Tritanomaly**

68.8029, 0.2649, 0.3103

# Monochromacy



**Original Color**

69.0037, 0.2666, 0.3160

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

65.6165, 0.2939, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0037, 0.2666, 0.3160 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(164, 227, 238)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 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(164, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0037, 0.2666, 0.3160 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(164, 227, 238) }
```

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

```
.border{ border-color:rgb(164, 227, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0037, 0.2666, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 238) }
```

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

```
.background{ background-color: rgb(164,  
227, 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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