

# Converting Colors

$Yxy(69.1404, 0.2709, 0.3116)$

Have a look what the booklet for  
Yxy(69.1404, 0.2709, 0.3116)  
contains.

<b>Yxy(69.1404, 0.2709, 0.3116)</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(69.1404, 0.2709, 0.3116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE1F0
RGB	174, 225, 240
RGB Percent	68%, 88%, 94%
CMY	0.3177, 0.1176, 0.0587
CMYK	0.28, 0.06, 0.00, 0.06
HSL	194°, 69%, 81%
HSV	194°, 28%, 94%
XYZ	60.1095, 69.1404, 92.6384
YIQ	211.4610, -35.2110, -6.1470

# Conversions

## Conversions Part 2

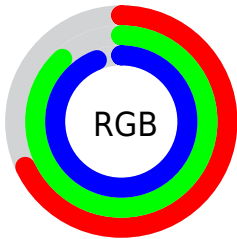
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 203, 240
Decimal	11461104
CIELab	86.57, -12.95, -12.66
CIElCh	87, 18.111, 224.361
Yxy	69.1404, 0.2709, 0.3116
Android (android.graphics.Color)	4289651184 (0xFFAEE1F0)
YUV	211.4610, 14.0697, -32.8533
Hunter-Lab	83.1507, -16.4763, -7.8496

# Details

The Yxy color **69.1404, 0.2709, 0.3116** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.9862, 0.3683, 0.3457**, and the grayscale version is **65.3853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **36.2032, 0.2615, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **63.7228, 0.2568, 0.3043**, and if you desaturate by 10%, it is **75.1506, 0.2858, 0.3184**.

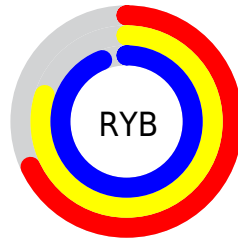
# Distribution



Red (68%)

Green (88%)

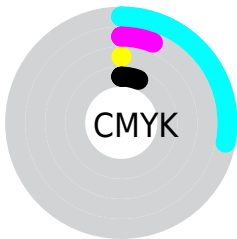
Blue (94%)



Red (68%)

Yellow (80%)

Blue (94%)

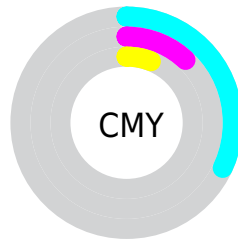


Cyan (28%)

Magenta (6%)

Yellow (0%)

Black (6%)



Cyan (32%)

Magenta (12%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1404, 0.2709, 0.3116 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 69.1404, 0.2709, 0.3116 by changing the saturation by 10% instead.



69.1404, 0.2709,  
0.3116

69.1404, 0.2709,  
0.3116

457.5260, 0.2901,  
0.3200

50.8261, 0.2665,  
0.3096

117.9821, 0.2776,  
0.3146

36.0702, 0.2612,  
0.3071

149.2782, 0.2801,  
0.3157

24.4884, 0.2544,  
0.3038

185.6704, 0.2824,  
0.3167

15.6963, 0.2456,  
0.2995

227.5431, 0.2843,  
0.3175

9.3095, 0.2337,  
0.2934

275.2805, 0.2861,  
0.3183

4.9436, 0.2169,  
0.2842

329.2673, 0.2876,

2.2142, 0.1914,

0.3189

0.2692

389.8876, 0.2889,  
0.3195

0.7277, 0.1264,  
0.2449

0.0000, 0.0000,  
0.0000

69.1404, 0.2709,  
0.3116

69.1404, 0.2709,  
0.3116

63.7228, 0.2568,  
0.3043

75.1506, 0.2858,  
0.3184

58.8623, 0.2438,  
0.2965

81.7702, 0.3011,  
0.3247

54.5321, 0.2322,  
0.2883

89.0254, 0.3166,  
0.3304

50.6996, 0.2224,  
0.2800

93.9822, 0.3221,  
0.3356

■ 47.3277, 0.2144,  
0.2715

■ 97.3686, 0.3216,  
0.3409

■ 44.3730, 0.2085,  
0.2630

■ 99.0731, 0.3214,  
0.3434

■ 41.7782, 0.2044,  
0.2546

■ 41.1676, 0.2035,  
0.2526

# Harmonies

## Analogous

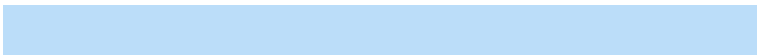
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1404, 0.2791, 0.3316



69.1404, 0.2709, 0.3116



69.1404, 0.2734, 0.2973

# Triad

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



69.1404, 0.2709, 0.3116



69.1404, 0.3285, 0.3078



69.1404, 0.3392, 0.3680

# Complementary

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



69.1404, 0.2709, 0.3116



57.9862, 0.3683, 0.3457

# 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.



69.1404, 0.3534, 0.3597



69.1404, 0.2709, 0.3116



69.1404, 0.3472, 0.3251

# Square

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



69.1404, 0.2709, 0.3116



69.1404, 0.3060, 0.2958



69.1404, 0.3564, 0.3439



69.1404, 0.3182, 0.3652



# Rectangle

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



69.1404, 0.2709, 0.3116



69.1404, 0.2808, 0.2927



69.1404, 0.3564, 0.3439



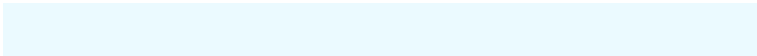
69.1404, 0.3449, 0.3663

# Sweetspot

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



69.1432, 0.2709, 0.3116



93.4086, 0.3003, 0.3244



74.9790, 0.3009, 0.3908



19.7392, 0.2980, 0.3235



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

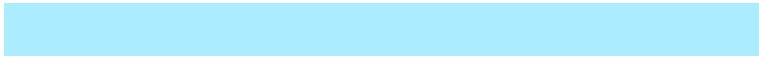


# Same Dimension

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



69.1432, 0.2709, 0.3116



75.7685, 0.2629, 0.3076



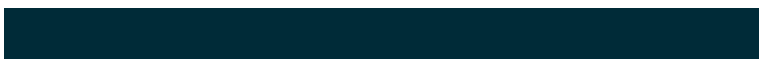
53.2968, 0.2670, 0.2726



17.2834, 0.2981, 0.3235



22.7391, 0.2039, 0.2539



2.0388, 0.2069, 0.2650



# Inverse Universe

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



54.2337, 0.3279, 0.2750



56.3769, 0.3318, 0.2639



73.4671, 0.3592, 0.3796



15.9663, 0.3173, 0.3109



12.0889, 0.3883, 0.1913

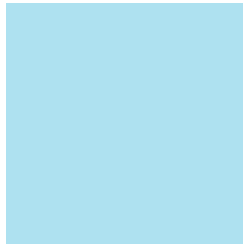


1.0205, 0.3776, 0.1854



# Previews

## White Background



This preview shows how the Yxy color 69.1404, 0.2709, 0.3116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

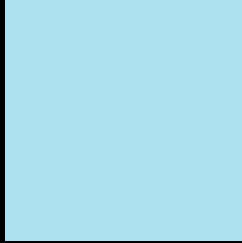
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1404, 0.2709, 0.3116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

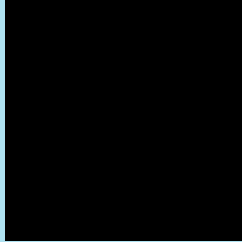
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.1404, 0.2709, 0.3116**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1404, 0.2709, 0.3116.

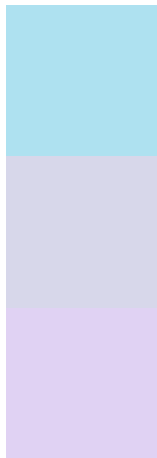


This preview shows how white text looks on a background with the Yxy color 69.1404, 0.2709, 0.3116.

# 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

69.1404, 0.2709, 0.3116

### Protanopia

68.9885, 0.3002, 0.3083

### Deuteranopia

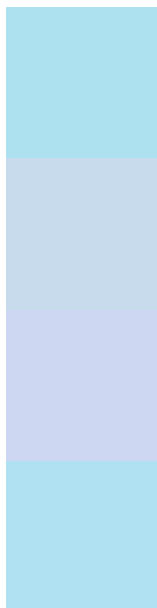
68.4115, 0.3007, 0.2940



## Tritanopia

69.4355, 0.2699, 0.3083

# Trichromacy



## Original Color

69.1404, 0.2709, 0.3116

## Protanomaly

68.9985, 0.2889, 0.3100

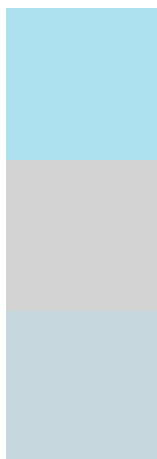
## Deuteranomaly

68.1335, 0.2890, 0.2994

## Tritanomaly

69.3752, 0.2704, 0.3094

# Monochromacy



## Original Color

69.1404, 0.2709, 0.3116

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.3914, 0.2961, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1404, 0.2709, 0.3116 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(174, 225, 240)` looks like.

```
.text, #text, p{  
    color:rgb(174, 225, 240)  
}
```

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(174, 225, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 225, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1404, 0.2709, 0.3116 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(174, 225, 240) }
```

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

```
.border{ border-color:rgb(174, 225, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 225, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 225, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 225, 240);  
box-shadow:4px 4px 4px 4px rgb(174, 225,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1404, 0.2709, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 225, 240) }
```

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

```
.background{ background-color: rgb(174,  
225, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor