

# Converting Colors

$Yxy(70.7942, 0.2673, 0.3042)$

Have a look what the booklet for  
Yxy(70.7942, 0.2673, 0.3042)  
contains.

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# **Color**

**Yxy(70.8917, 0.2670, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE3F9
RGB	175, 227, 249
RGB Percent	69%, 89%, 98%
CMY	0.3134, 0.1099, 0.0234
CMYK	0.30, 0.09, 0.00, 0.02
HSL	198°, 86%, 83%
HSV	198°, 30%, 98%
XYZ	62.2634, 70.8917, 100.0412
YIQ	213.9600, -38.0540, -4.1820

# Conversions

## Conversions Part 2

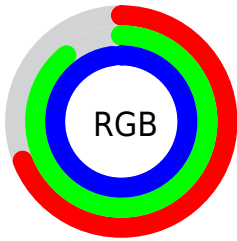
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 206, 249
Decimal	11527161
CIE Lab	87.43, -11.58, -16.10
CIE LCh	87, 19.835, 234.267
Yxy	70.8917, 0.2670, 0.3040
Android (android.graphics.Color)	4289717241 (0xFFAFE3F9)
YUV	213.9600, 17.2747, -34.1679
Hunter-Lab	84.1972, -15.3452, -11.5090

# Details

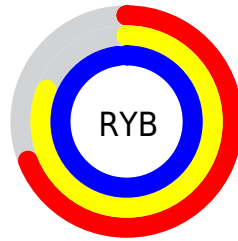
The Yxy color **70.8917, 0.2670, 0.3040** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63.2307, 0.3726, 0.3526**, and the grayscale version is **67.1304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **37.3484, 0.2561, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **64.2993, 0.2524, 0.2941**, and if you desaturate by 10%, it is **78.1962, 0.2822, 0.3132**.

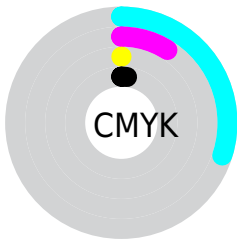
# Distribution



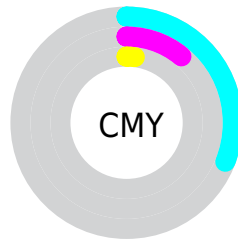
- Red (69%)
- Green (89%)
- Blue (98%)



- Red (69%)
- Yellow (81%)
- Blue (98%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (31%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8917, 0.2670, 0.3040 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 70.8917, 0.2670, 0.3040 by changing the saturation by 10% instead.



■ 70.8917, 0.2670,  
0.3040

■ 70.8917, 0.2670,  
0.3040

463.6748, 0.2879,  
0.3159

■ 52.2538, 0.2623,  
0.3012

■ 120.4795, 0.2742,  
0.3082

■ 37.2074, 0.2565,  
0.2978

152.1982, 0.2770,  
0.3098

■ 25.3681, 0.2493,  
0.2933

189.0460, 0.2794,  
0.3112

■ 16.3515, 0.2399,  
0.2875

231.4073, 0.2816,  
0.3124

■ 9.7733, 0.2274,  
0.2794

279.6664, 0.2834,  
0.3134

■ 5.2489, 0.2099,  
0.2675

334.2077, 0.2851,

■ 2.3940, 0.1839,

0.3143

0.2488

395.4157, 0.2866,  
0.3152

0.8228, 0.1322,  
0.2178

0.0000, 0.0000,  
0.0000

70.8917, 0.2670,  
0.3040

70.8917, 0.2670,  
0.3040

64.2993, 0.2524,  
0.2941

78.1962, 0.2822,  
0.3132

58.3790, 0.2389,  
0.2836

86.2335, 0.2977,  
0.3216

53.0995, 0.2267,  
0.2725

95.0336, 0.3132,  
0.3292

48.4228, 0.2162,  
0.2612

99.6209, 0.3162,  
0.3347

■ 44.3056, 0.2076,  
0.2498

■ 40.6970, 0.2011,  
0.2384

■ 37.5168, 0.1965,  
0.2272

■ 37.4226, 0.1964,  
0.2268

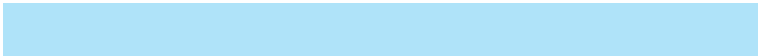
# Harmonies

## Analogous

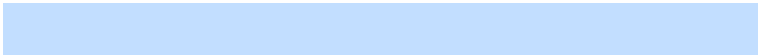
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8917, 0.2721, 0.3242



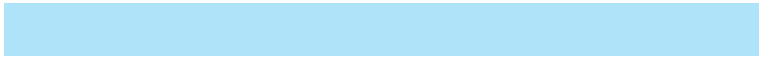
70.8917, 0.2670, 0.3040



70.8917, 0.2735, 0.2916

# Triad

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



70.8917, 0.2670, 0.3040



70.8917, 0.3374, 0.3117



70.8917, 0.3344, 0.3718

# Complementary

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



70.8917, 0.2670, 0.3040



63.2307, 0.3726, 0.3526

# 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.



70.8917, 0.3529, 0.3664



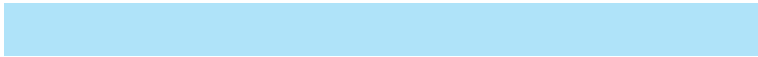
70.8917, 0.2670, 0.3040



70.8917, 0.3549, 0.3314

# Square

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



70.8917, 0.2670, 0.3040



70.8917, 0.3135, 0.2965



70.8917, 0.3607, 0.3513

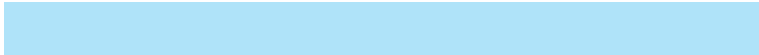


70.8917, 0.3105, 0.3648



# Rectangle

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



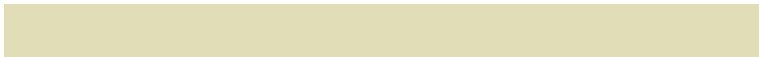
70.8917, 0.2670, 0.3040



70.8917, 0.2836, 0.2888



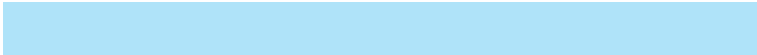
70.8917, 0.3607, 0.3513



70.8917, 0.3415, 0.3714

# Sweetspot

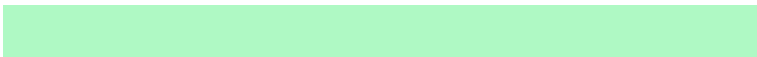
The Sweet Spot groups the original color and five complimentary colors.



70.8945, 0.2670, 0.3040



91.6171, 0.2987, 0.3222



80.8760, 0.2973, 0.3906



19.3331, 0.2965, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

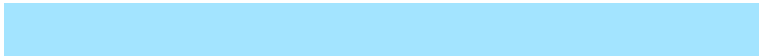


# Same Dimension

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



70.8945, 0.2670, 0.3040



70.3156, 0.2577, 0.2978



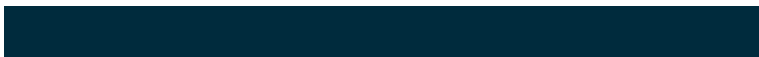
53.2722, 0.2622, 0.2614



18.6837, 0.2980, 0.3218



20.2876, 0.1969, 0.2287



2.0638, 0.2006, 0.2421



# Inverse Universe

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



56.3822, 0.3337, 0.2756



53.1068, 0.3396, 0.2639



81.5216, 0.3620, 0.3885



17.4312, 0.3184, 0.3125



12.4589, 0.4140, 0.2054

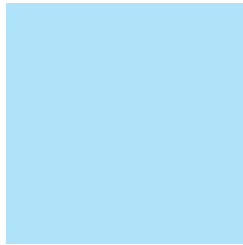


1.1726, 0.4002, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 70.8917, 0.2670, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

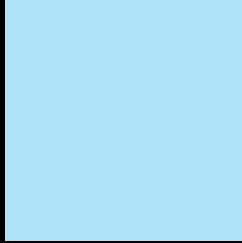
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8917, 0.2670, 0.3040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

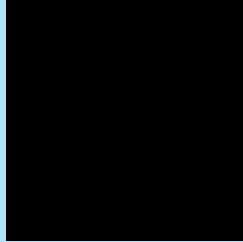
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.8917, 0.2670, 0.3040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.8917, 0.2670, 0.3040.

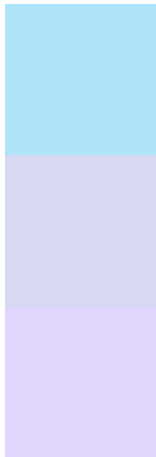


This preview shows how white text looks on a background with the Yxy color 70.8917, 0.2670, 0.3040.

# 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

70.8917, 0.2670, 0.3040

### Protanopia

70.5438, 0.2945, 0.3010

### Deuteranopia

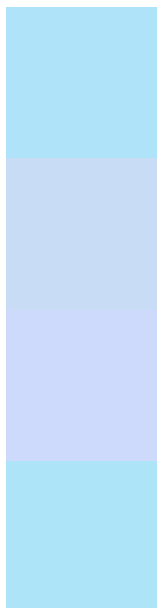
70.4641, 0.2950, 0.2882



## Tritanopia

71.1393, 0.2681, 0.3085

# Trichromacy



**Original Color**

70.8917, 0.2670, 0.3040

**Protanomaly**

70.5848, 0.2836, 0.3026

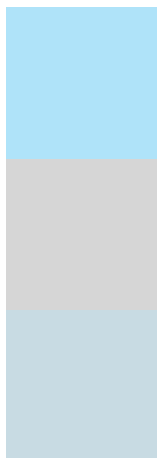
**Deuteranomaly**

70.2297, 0.2838, 0.2933

**Tritanomaly**

71.2009, 0.2676, 0.3074

# Monochromacy



**Original Color**

70.8917, 0.2670, 0.3040

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.4884, 0.2944, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8917, 0.2670, 0.3040 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(175, 227, 249)` looks like.

```
.text, #text, p{  
    color:rgb(175, 227, 249)  
}
```

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(175, 227, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 227, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8917, 0.2670, 0.3040 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(175, 227, 249) }
```

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

```
.border{ border-color:rgb(175, 227, 249) }
```

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

Here you see how a box with a 4 pixel rgb(175, 227, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 227, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 227, 249);  
box-shadow:4px 4px 4px 4px rgb(175, 227,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.8917, 0.2670, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 227, 249) }
```

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

```
.background{ background-color: rgb(175,  
227, 249) }
```

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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