

# Converting Colors

$Y_{xy}(70.1591, 0.2608, 0.3112)$

Have a look what the booklet for  
Yxy(70.1591, 0.2608, 0.3112)  
contains.

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# Color

**Yxy(70.0021, 0.2606, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE5F5
RGB	159, 229, 245
RGB Percent	62%, 90%, 96%
CMY	0.3767, 0.1019, 0.0392
CMYK	0.35, 0.07, 0.00, 0.04
HSL	191°, 81%, 79%
HSV	191°, 35%, 96%
XYZ	58.7900, 70.0021, 96.8028
YIQ	209.8940, -46.8560, -9.8640

# Conversions

## Conversions Part 2

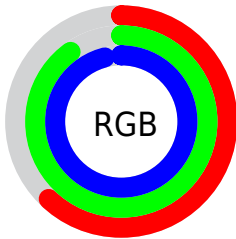
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 198, 245
Decimal	10479093
CIE <sub>Lab</sub>	87.00, -17.94, -14.73
CIE <sub>LCh</sub>	87, 23.213, 219.385
Yxy	70.0021, 0.2606, 0.3103
Android (android.graphics.Color)	4288669173 (0xFF9FE5F5)
YUV	209.8940, 17.3073, -44.6340
Hunter-Lab	83.6673, -20.9920, -10.0313

# Details

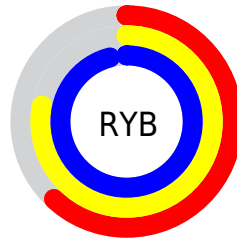
The Yxy color **70.0021, 0.2606, 0.3103** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5478, 0.3908, 0.3467**, and the grayscale version is **64.2768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **36.5043, 0.2487, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **65.2581, 0.2477, 0.3041**, and if you desaturate by 10%, it is **75.3140, 0.2746, 0.3162**.

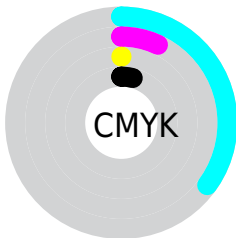
# Distribution



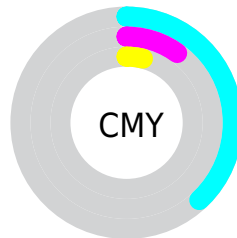
- Red (62%)
- Green (90%)
- Blue (96%)



- Red (62%)
- Yellow (78%)
- Blue (96%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (38%)
- Magenta (10%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0021, 0.2606, 0.3103 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 70.0021, 0.2606, 0.3103 by changing the saturation by 10% instead.




 70.0021, 0.2606,  
0.3103


 70.0021, 0.2606,  
0.3103


460.5574, 0.2844,  
0.3195

 51.5282, 0.2552,  
0.3081


 119.2117, 0.2688,  
0.3136

 36.6292, 0.2487,  
0.3053


 150.7163, 0.2720,  
0.3148

 24.9205, 0.2404,  
0.3017


187.3333, 0.2748,  
0.3159

 16.0178, 0.2298,  
0.2968

229.4470, 0.2772,  
0.3168

 9.5368, 0.2156,  
0.2900

277.4419, 0.2793,  
0.3176

 5.0929, 0.1959,  
0.2797

331.7023, 0.2812,

 2.3019, 0.1666,

0.3183

0.2627

392.6127, 0.2829,  
0.3189

0.7747, 0.0915,  
0.2375

0.0000, 0.0000,  
0.0000

70.0021, 0.2606,  
0.3103

70.0021, 0.2606,  
0.3103

65.2581, 0.2477,  
0.3041

75.3140, 0.2746,  
0.3162

61.0438, 0.2363,  
0.2976

81.2130, 0.2894,  
0.3216

57.3287, 0.2266,  
0.2909

87.7276, 0.3048,  
0.3266

54.0757, 0.2188,  
0.2841

94.5113, 0.3190,  
0.3312

■ 51.2413, 0.2130,  
0.2773

■ 97.3329, 0.3187,  
0.3355

■ 48.7723, 0.2090,  
0.2705

■ 99.3729, 0.3185,  
0.3386

■ 47.6633, 0.2076,  
0.2673

# Harmonies

## Analogous

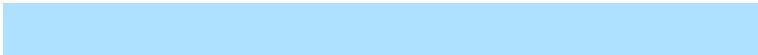
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0021, 0.2729, 0.3366



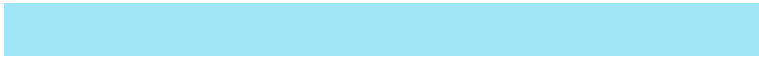
70.0021, 0.2606, 0.3103



70.0021, 0.2614, 0.2908

# Triad

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



70.0021, 0.2606, 0.3103



70.0021, 0.3281, 0.2991



70.0021, 0.3501, 0.3779

# Complementary

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



70.0021, 0.2606, 0.3103



52.5478, 0.3908, 0.3467

# 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.



70.0021, 0.3664, 0.3650



70.0021, 0.2606, 0.3103



70.0021, 0.3536, 0.3199

# Square

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



70.0021, 0.2606, 0.3103



70.0021, 0.2994, 0.2856



70.0021, 0.3678, 0.3436



70.0021, 0.3241, 0.3774



# Rectangle

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



70.0021, 0.2606, 0.3103



70.0021, 0.2693, 0.2839



70.0021, 0.3678, 0.3436



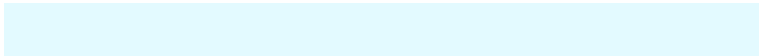
70.0021, 0.3569, 0.3749

# Sweetspot

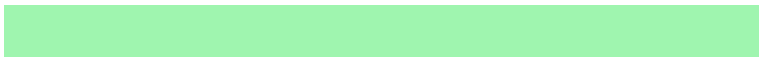
The Sweet Spot groups the original color and five complimentary colors.



70.0049, 0.2606, 0.3103



91.7826, 0.2957, 0.3237



75.7573, 0.2994, 0.4150



19.4409, 0.2936, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

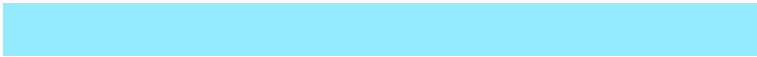


# Same Dimension

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



70.0049, 0.2606, 0.3103



72.9813, 0.2515, 0.3060



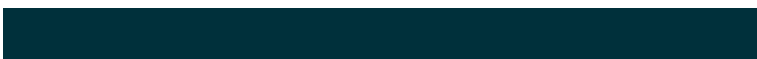
49.1577, 0.2534, 0.2576



18.2036, 0.2980, 0.3245



25.8668, 0.2079, 0.2684



2.4059, 0.2102, 0.2768



# Inverse Universe

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



49.8474, 0.3302, 0.2564



48.4125, 0.3346, 0.2424



71.9288, 0.3748, 0.3912



16.7124, 0.3166, 0.3099



12.7106, 0.3743, 0.1836

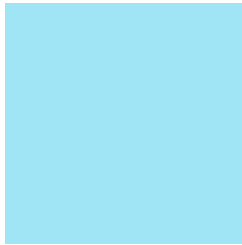


1.1305, 0.3664, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 70.0021, 0.2606, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

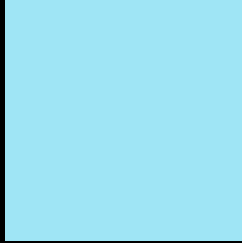
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0021, 0.2606, 0.3103 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 70.0021, 0.2606, 0.3103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0021, 0.2606, 0.3103.



This preview shows how white text looks on a background with the Yxy color 70.0021, 0.2606, 0.3103.

# 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

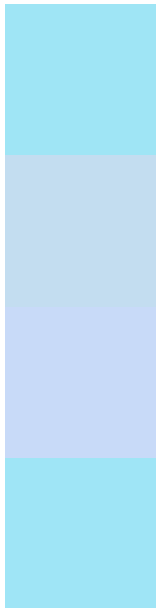




## Tritanopia

70.1250, 0.2596, 0.3080

# Trichromacy



**Original Color**

70.0021, 0.2606, 0.3103

**Protanomaly**

69.6063, 0.2833, 0.3077

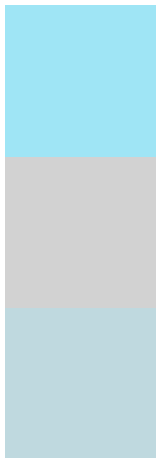
**Deuteranomaly**

69.1995, 0.2817, 0.2961

**Tritanomaly**

70.0634, 0.2601, 0.3092

# Monochromacy



**Original Color**

70.0021, 0.2606, 0.3103

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

66.0298, 0.2907, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0021, 0.2606, 0.3103 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(159, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(159, 229, 245)  
}
```

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(159, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 229, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0021, 0.2606, 0.3103 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(159, 229, 245) }
```

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

```
.border{ border-color:rgb(159, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(159, 229,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0021, 0.2606, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 229, 245) }
```

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

```
.background{ background-color: rgb(159,  
229, 245) }
```

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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