

# Converting Colors

$Yxy(68.3760, 0.2488, 0.3038)$

Have a look what the booklet for  
Yxy(68.3760, 0.2488, 0.3038)  
contains.

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# Color

**Yxy(68.5162, 0.2489, 0.3041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CE5FA
RGB	140, 229, 250
RGB Percent	55%, 90%, 98%
CMY	0.4513, 0.1019, 0.0196
CMYK	0.44, 0.08, 0.00, 0.02
HSL	191°, 92%, 76%
HSV	191°, 44%, 98%
XYZ	56.0792, 68.5162, 100.7127
YIQ	204.7830, -59.7850, -12.3370

# Conversions

## Conversions Part 2

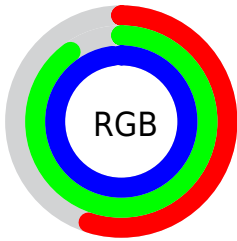
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 189, 250
Decimal	9233914
CIE <sub>Lab</sub>	86.26, -21.43, -18.55
CIE <sub>LCh</sub>	86, 28.342, 220.881
Yxy	68.5162, 0.2489, 0.3041
Android (android.graphics.Color)	4287423994 (0xFF8CE5FA)
YUV	204.7830, 22.2920, -56.8147
Hunter-Lab	82.7745, -23.9228, -14.1967

# Details

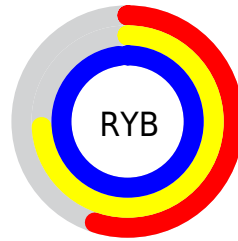
The Yxy color **68.5162, 0.2489, 0.3041** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6717, 0.4197, 0.3517**, and the grayscale version is **60.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **35.5315, 0.2339, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **63.9882, 0.2372, 0.2974**, and if you desaturate by 10%, it is **73.6151, 0.2620, 0.3105**.

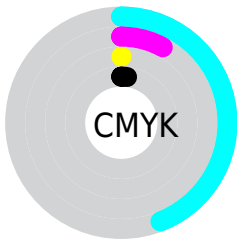
# Distribution



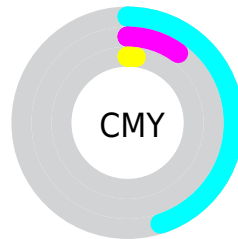
- Red (55%)
- Green (90%)
- Blue (98%)



- Red (55%)
- Yellow (74%)
- Blue (98%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (45%)
- Magenta (10%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5162, 0.2489, 0.3041 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 68.5162, 0.2489, 0.3041 by changing the saturation by 10% instead.




 68.5162, 0.2489,  
0.3041

 68.5162, 0.2489,  
0.3041


455.3228, 0.2780,  
0.3164

 50.3178, 0.2424,  
0.3011

 117.0903, 0.2589,  
0.3085

 35.6660, 0.2344,  
0.2974


 148.2348, 0.2628,  
0.3102

 24.1763, 0.2245,  
0.2925


184.4634, 0.2662,  
0.3116

 15.4645, 0.2118,  
0.2860

226.1606, 0.2691,  
0.3128

 9.1460, 0.1949,  
0.2767

273.7108, 0.2718,  
0.3139

 4.8365, 0.1717,  
0.2630

327.4982, 0.2741,

 2.1517, 0.1384,

0.3148

0.2406

387.9074, 0.2761,  
0.3157

0.6935, 0.0407,  
0.2075

0.0000, 0.0000,  
0.0000

68.5162, 0.2489,  
0.3041

68.5162, 0.2489,  
0.3041

63.9882, 0.2372,  
0.2974

73.6151, 0.2620,  
0.3105

59.9886, 0.2273,  
0.2906

79.3082, 0.2761,  
0.3164

56.4816, 0.2192,  
0.2836

85.6269, 0.2911,  
0.3220

53.4222, 0.2131,  
0.2766

92.5978, 0.3065,  
0.3271

■ 50.7559, 0.2089,  
0.2696

■ 98.3159, 0.3157,  
0.3317

■ 49.3052, 0.2071,  
0.2655

■ 99.6823, 0.3156,  
0.3338

# Harmonies

## Analogous

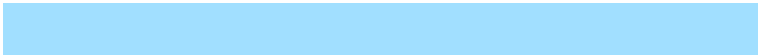
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5162, 0.2629, 0.3364



68.5162, 0.2489, 0.3041



68.5162, 0.2508, 0.2812

# Triad

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



68.5162, 0.2489, 0.3041



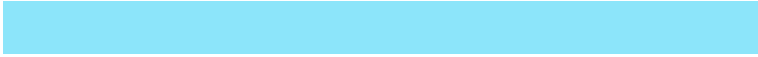
68.5162, 0.3332, 0.2937



68.5162, 0.3570, 0.3896

# Complementary

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



68.5162, 0.2489, 0.3041



47.6717, 0.4197, 0.3517

# 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.



68.5162, 0.3781, 0.3737



68.5162, 0.2489, 0.3041



68.5162, 0.3643, 0.3190

# Square

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



68.5162, 0.2489, 0.3041



68.5162, 0.2978, 0.2769



68.5162, 0.3811, 0.3477



68.5162, 0.3246, 0.3886

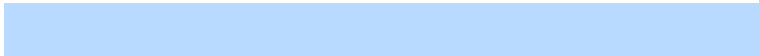


# Rectangle

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



68.5162, 0.2489, 0.3041



68.5162, 0.2607, 0.2735



68.5162, 0.3811, 0.3477



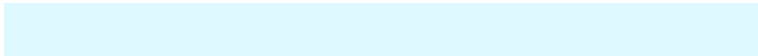
68.5162, 0.3657, 0.3859

# Sweetspot

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



68.5188, 0.2489, 0.3041



90.2800, 0.2926, 0.3225



76.4828, 0.2965, 0.4416



18.9954, 0.2893, 0.3214



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.



68.5188, 0.2489, 0.3041



67.3718, 0.2383, 0.2981



43.0444, 0.2370, 0.2354



19.0130, 0.2980, 0.3244



26.3546, 0.2074, 0.2667



2.5806, 0.2097, 0.2749



# Inverse Universe

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



44.7149, 0.3364, 0.2390



40.3272, 0.3427, 0.2225



70.8891, 0.3931, 0.4069



17.4645, 0.3167, 0.3100



13.0714, 0.3760, 0.1845

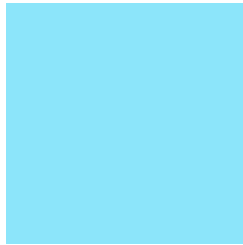


1.2247, 0.3682, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 68.5162, 0.2489, 0.3041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

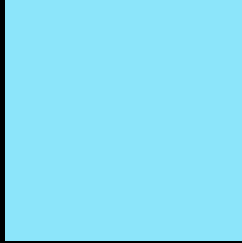
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5162, 0.2489, 0.3041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

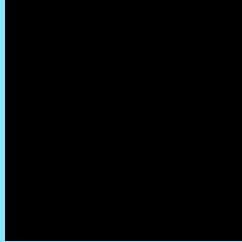
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5162, 0.2489, 0.3041**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5162, 0.2489, 0.3041.

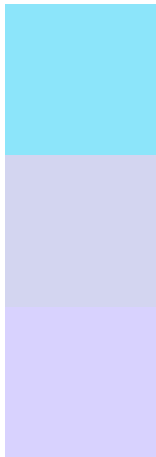


This preview shows how white text looks on a background with the Yxy color 68.5162, 0.2489, 0.3041.

# 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

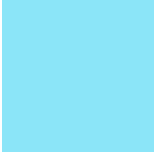
68.5162, 0.2489, 0.3041

### Protanopia

67.7287, 0.2936, 0.2995

### Deuteranopia

67.8479, 0.2882, 0.2823



## **Tritanopia**

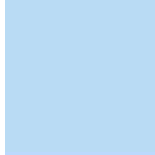
68.3049, 0.2494, 0.3063

# Trichromacy



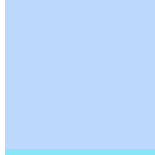
## Original Color

68.5162, 0.2489, 0.3041



## Protanomaly

67.5090, 0.2746, 0.3006



## Deuteranomaly

67.4089, 0.2713, 0.2889



## Tritanomaly

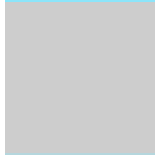
68.3671, 0.2489, 0.3052

# Monochromacy



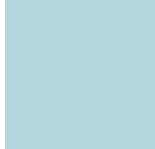
## Original Color

68.5162, 0.2489, 0.3041



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.1373, 0.2852, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5162, 0.2489, 0.3041 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(140, 229, 250)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 250)  
}
```

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(140, 229, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5162, 0.2489, 0.3041 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(140, 229, 250) }
```

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

```
.border{ border-color:rgb(140, 229, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 229, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 250);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5162, 0.2489, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 250) }
```

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

```
.background{ background-color: rgb(140,  
229, 250) }
```

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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