

# Converting Colors

$Yxy(69.3337, 0.2532, 0.3077)$

Have a look what the booklet for  
Yxy(69.3337, 0.2532, 0.3077)  
contains.

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# Color

**Yxy(69.5740, 0.2533, 0.3078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93E6F8
RGB	147, 230, 248
RGB Percent	58%, 90%, 97%
CMY	0.4240, 0.0979, 0.0275
CMYK	0.41, 0.07, 0.00, 0.03
HSL	191°, 88%, 77%
HSV	191°, 41%, 97%
XYZ	57.2550, 69.5740, 99.2074
YIQ	207.2350, -55.2460, -11.9980

# Conversions

## Conversions Part 2

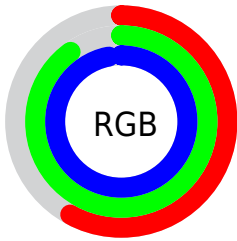
Format	Color
<a href="#">RYB</a>	<a href="#">147, 193, 248</a>
Decimal	<a href="#">9692920</a>
CIELab	<a href="#">86.79, -20.77, -16.67</a>
CIElCh	<a href="#">87, 26.637, 218.746</a>
Yxy	<a href="#">69.5740, 0.2533, 0.3078</a>
Android (android.graphics.Color)	<a href="#">4287883000 (0xFF93E6F8)</a>
YUV	<a href="#">207.2350, 20.0971, -52.8261</a>
Hunter-Lab	<a href="#">83.4110, -23.4433, -12.1306</a>

# Details

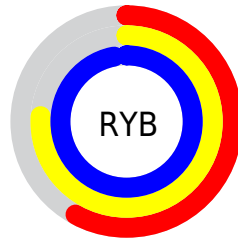
The Yxy color **69.5740, 0.2533, 0.3078** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9121, 0.4091, 0.3487**, and the grayscale version is **62.4360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **36.2515, 0.2396, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **65.1064, 0.2413, 0.3017**, and if you desaturate by 10%, it is **74.6029, 0.2666, 0.3136**.

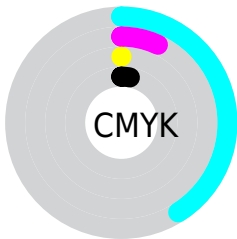
# Distribution



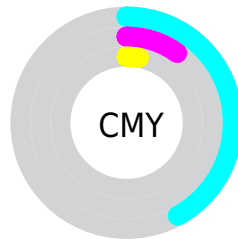
- Red (58%)
- Green (90%)
- Blue (97%)



- Red (58%)
- Yellow (76%)
- Blue (97%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)




- Cyan (42%)
- Magenta (10%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5740, 0.2533, 0.3078 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 69.5740, 0.2533, 0.3078 by changing the saturation by 10% instead.





 69.5740, 0.2533,  
0.3078

 69.5740, 0.2533,  
0.3078

459.0528, 0.2804,  
0.3183

 51.1793, 0.2472,  
0.3053

 118.6010, 0.2626,  
0.3116

 36.3513, 0.2398,  
0.3021


 150.0022, 0.2662,  
0.3130

 24.7057, 0.2305,  
0.2979


186.5076, 0.2694,  
0.3142

 15.8579, 0.2186,  
0.2923

228.5017, 0.2722,  
0.3152

 9.4237, 0.2028,  
0.2844

276.3689, 0.2746,  
0.3161

 5.0185, 0.1809,  
0.2724

330.4936, 0.2767,

 2.2581, 0.1492,

0.3169

0.2529

391.2601, 0.2787,  
0.3176

0.7514, 0.0619,  
0.2247

0.0000, 0.0000,  
0.0000

69.5740, 0.2533,  
0.3078

69.5740, 0.2533,  
0.3078

65.1064, 0.2413,  
0.3017

74.6029, 0.2666,  
0.3136

61.1596, 0.2309,  
0.2954

80.2147, 0.2810,  
0.3190

57.6999, 0.2224,  
0.2889

86.4395, 0.2961,  
0.3241

54.6857, 0.2158,  
0.2824

93.3028, 0.3115,  
0.3287

■ 52.0674, 0.2112,  
0.2760

■ 97.6917, 0.3169,  
0.3329

■ 49.9288, 0.2084,  
0.2701

■ 99.5566, 0.3168,  
0.3357

# Harmonies

## Analogous

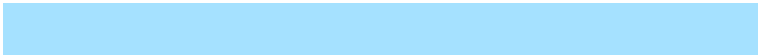
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5740, 0.2675, 0.3383



69.5740, 0.2533, 0.3078



69.5740, 0.2540, 0.2855

# Triad

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



69.5740, 0.2533, 0.3078



69.5740, 0.3296, 0.2945



69.5740, 0.3561, 0.3851

# Complementary

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



69.5740, 0.2533, 0.3078



48.9121, 0.4091, 0.3487

# 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.



69.5740, 0.3747, 0.3695



69.5740, 0.2533, 0.3078



69.5740, 0.3592, 0.3179

# Square

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



69.5740, 0.2533, 0.3078



69.5740, 0.2966, 0.2793



69.5740, 0.3760, 0.3448



69.5740, 0.3263, 0.3852

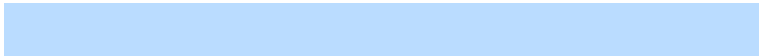


# Rectangle

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



69.5740, 0.2533, 0.3078



69.5740, 0.2627, 0.2775



69.5740, 0.3760, 0.3448



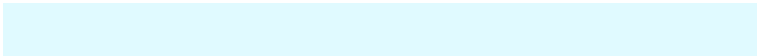
69.5740, 0.3639, 0.3813

# Sweetspot

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



69.5767, 0.2533, 0.3078



91.2315, 0.2942, 0.3235



75.9905, 0.2983, 0.4339



19.3358, 0.2922, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

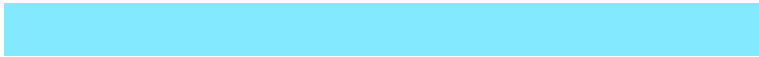


# Same Dimension

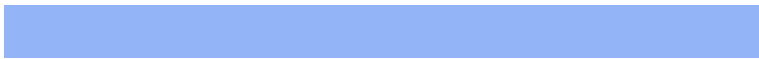
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5767, 0.2533, 0.3078



70.1350, 0.2432, 0.3028



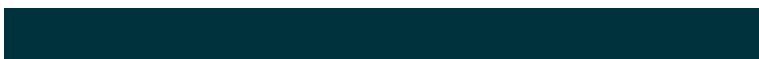
45.8482, 0.2434, 0.2458



19.0531, 0.2980, 0.3247



27.1621, 0.2087, 0.2711



2.6483, 0.2108, 0.2788



# Inverse Universe

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



46.5002, 0.3330, 0.2442



43.1104, 0.3383, 0.2282



70.2956, 0.3870, 0.3996



17.4685, 0.3165, 0.3097



13.1529, 0.3717, 0.1822

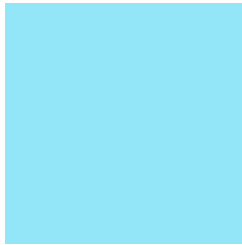


1.2316, 0.3646, 0.1782



# Previews

## White Background



This preview shows how the Yxy color 69.5740, 0.2533, 0.3078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

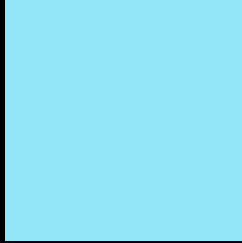
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5740, 0.2533, 0.3078 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 69.5740, 0.2533, 0.3078**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5740, 0.2533, 0.3078.

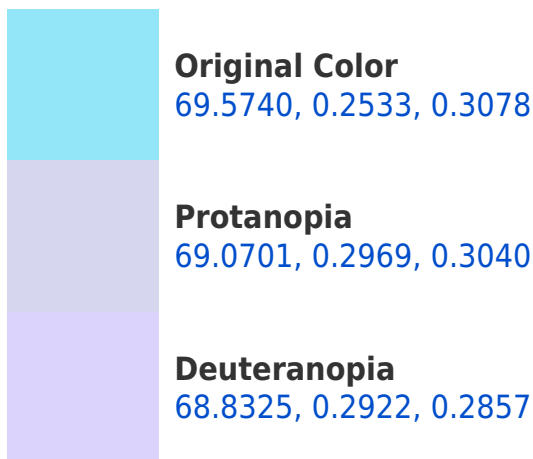


This preview shows how white text looks on a background with the Yxy color 69.5740, 0.2533, 0.3078.

# 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

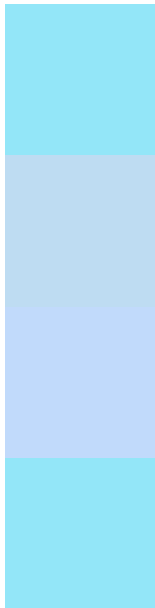




## Tritanopia

69.5740, 0.2533, 0.3078

# Trichromacy



**Original Color**

69.5740, 0.2533, 0.3078

**Protanomaly**

68.5444, 0.2790, 0.3042

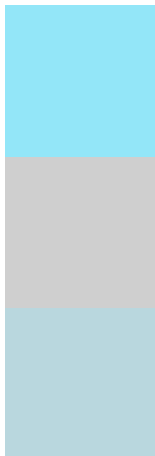
**Deuteranomaly**

68.4453, 0.2755, 0.2925

**Tritanomaly**

69.5740, 0.2533, 0.3078

# Monochromacy



**Original Color**

69.5740, 0.2533, 0.3078

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

64.1891, 0.2873, 0.3207

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5740, 0.2533, 0.3078 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(147, 230, 248)` looks like.

```
.text, #text, p{  
    color:rgb(147, 230, 248)  
}
```

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(147, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 230, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5740, 0.2533, 0.3078 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(147, 230, 248) }
```

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

```
.border{ border-color:rgb(147, 230, 248) }
```

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

Here you see how a box with a 4 pixel rgb(147, 230, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(147, 230,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5740, 0.2533, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 230, 248) }
```

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

```
.background{ background-color: rgb(147,  
230, 248) }
```

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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