

# Converting Colors

$Yxy(67.7463, 0.2417, 0.3071)$

Have a look what the booklet for  
Yxy(67.7463, 0.2417, 0.3071)  
contains.

|  |    |
|--|----|
| <b>Yxy(68.0563, 0.2417, 0.3072)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(68.0563, 0.2417, 0.3072)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 79E7F9                       |
| RGB         | 121, 231, 249                |
| RGB Percent | 47%, 91%, 98%                |
| CMY         | 0.5260, 0.0940, 0.0235       |
| CMYK        | 0.51, 0.07, 0.00, 0.02       |
| HSL         | 188°, 91%, 73%               |
| HSV         | 188°, 51%, 98%               |
| XYZ         | 53.5456, 68.0563, 99.9355    |
| YIQ         | 200.1620, -71.3380, -17.7220 |

# Conversions

## Conversions Part 2

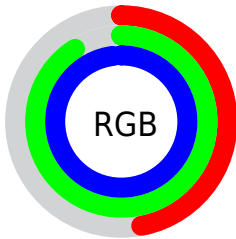
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 121, 180, 249                  |
| Decimal                             | 7989241                        |
| CIE Lab                             | 86.03, -26.85, -18.44          |
| CIE LCh                             | 86, 32.577, 214.481            |
| Yxy                                 | 68.0563, 0.2417,<br>0.3072     |
| Android<br>(android.graphics.Color) | 4286179321<br>(0xFF79E7F9)     |
| YUV                                 | 200.1620, 24.0771,<br>-69.4251 |
| Hunter-Lab                          | 82.4962, -28.5099,<br>-14.0762 |

# Details

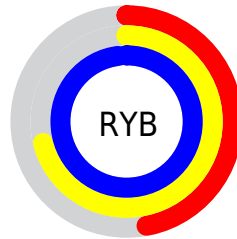
The Yxy color **68.0563, 0.2417, 0.3072** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.9384, 0.4510, 0.3482**, and the grayscale version is **57.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **35.3224, 0.2254, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **64.5519, 0.2319, 0.3023**, and if you desaturate by 10%, it is **72.0689, 0.2532, 0.3120**.

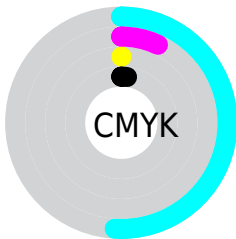
# Distribution



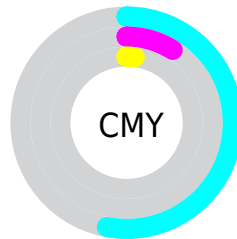
- Red (47%)
- Green (91%)
- Blue (98%)



- Red (47%)
- Yellow (71%)
- Blue (98%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (53%)
- Magenta (9%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0563, 0.2417, 0.3072 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 68.0563, 0.2417, 0.3072 by changing the saturation by 10% instead.




 68.0563, 0.2417,  
0.3072

 68.0563, 0.2417,  
0.3072


453.6955, 0.2740,  
0.3183

 49.9435, 0.2345,  
0.3045

 116.4327, 0.2528,  
0.3112

 35.3685, 0.2257,  
0.3010


 147.4651, 0.2571,  
0.3127

 23.9469, 0.2147,  
0.2964


 183.5728, 0.2609,  
0.3140

 15.2942, 0.2007,  
0.2901

225.1403, 0.2642,  
0.3151

 9.0261, 0.1823,  
0.2812

272.5519, 0.2671,  
0.3161

 4.7582, 0.1572,  
0.2676

326.1921, 0.2696,

 2.1061, 0.1217,

0.3169

0.2450

386.4451, 0.2719,  
0.3176

0.6681, 0.0000,  
0.2145

0.0000, 0.0000,  
0.0000

68.0563, 0.2417,  
0.3072

68.0563, 0.2417,  
0.3072

64.5519, 0.2319,  
0.3023

72.0689, 0.2532,  
0.3120

61.5112, 0.2241,  
0.2973


76.6148, 0.2661,  
0.3166


58.8945, 0.2182,  
0.2922


81.7265, 0.2801,  
0.3208


56.6513, 0.2142,  
0.2872

87.4316, 0.2950,  
0.3248

 54.9638, 0.2120,  
0.2830

 93.7556, 0.3104,  
0.3285

 97.7108, 0.3164,  
0.3319

 99.6196, 0.3162,  
0.3347

# Harmonies

## Analogous

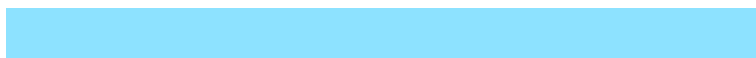
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0563, 0.2611, 0.3458



68.0563, 0.2417, 0.3072



68.0563, 0.2400, 0.2783

# Triad

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



68.0563, 0.2417, 0.3072



68.0563, 0.3274, 0.2837



68.0563, 0.3700, 0.3961

# Complementary

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



68.0563, 0.2417, 0.3072



39.9384, 0.4510, 0.3482

# 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.



68.0563, 0.3906, 0.3740



68.0563, 0.2417, 0.3072



68.0563, 0.3656, 0.3106

# Square

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



68.0563, 0.2417, 0.3072



68.0563, 0.2873, 0.2672



68.0563, 0.3893, 0.3429



68.0563, 0.3346, 0.4003



# Rectangle

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



68.0563, 0.2417, 0.3072



68.0563, 0.2488, 0.2675



68.0563, 0.3893, 0.3429



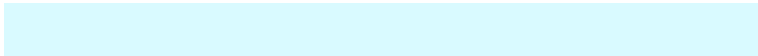
68.0563, 0.3790, 0.3903

# Sweetspot

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



68.0589, 0.2417, 0.3072



90.0767, 0.2897, 0.3235



73.6407, 0.2974, 0.4728



19.0070, 0.2865, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

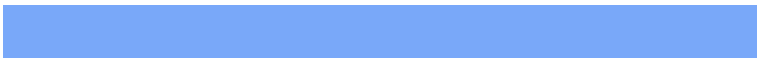
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0589, 0.2417, 0.3072



67.9296, 0.2314, 0.3020



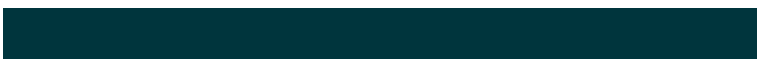
38.8453, 0.2253, 0.2247



19.1688, 0.2980, 0.3256



29.5801, 0.2122, 0.2839



2.8501, 0.2138, 0.2898



# Inverse Universe

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



39.5536, 0.3352, 0.2198



35.6636, 0.3410, 0.2020



63.7670, 0.4121, 0.4130



17.4802, 0.3160, 0.3089



13.3970, 0.3599, 0.1756

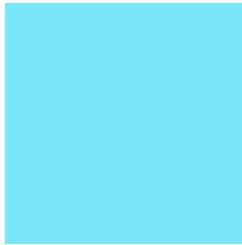


1.2519, 0.3545, 0.1727



# Previews

## White Background



This preview shows how the Yxy color 68.0563, 0.2417, 0.3072 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

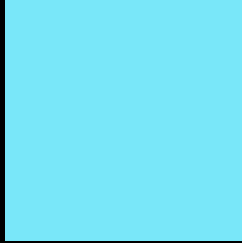
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0563, 0.2417, 0.3072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

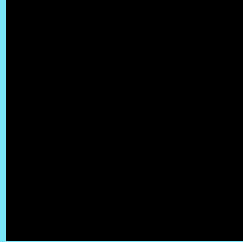
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.0563, 0.2417, 0.3072**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0563, 0.2417, 0.3072.



This preview shows how white text looks on a background with the Yxy color 68.0563, 0.2417, 0.3072.

# 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

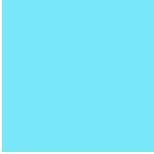
68.0563, 0.2417, 0.3072

### Protanopia

67.0503, 0.2955, 0.3016

### Deuteranopia

67.2038, 0.2875, 0.2811



## **Tritanopia**

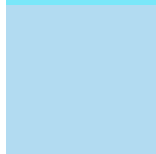
68.1189, 0.2413, 0.3060

# Trichromacy



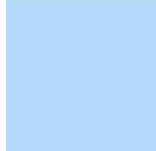
## Original Color

68.0563, 0.2417, 0.3072



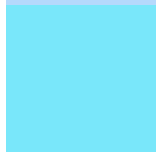
## Protanomaly

66.4789, 0.2721, 0.3036



## Deuteranomaly

66.4777, 0.2676, 0.2895



## Tritanomaly

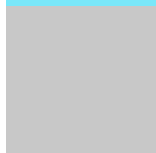
68.1189, 0.2413, 0.3060

# Monochromacy



## Original Color

68.0563, 0.2417, 0.3072



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.3084, 0.2802, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0563, 0.2417, 0.3072 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(121, 231, 249)` looks like.

```
.text, #text, p{  
    color:rgb(121, 231, 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(121, 231, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 231, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0563, 0.2417, 0.3072 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(121, 231, 249) }
```

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

```
.border{ border-color:rgb(121, 231, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 231, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 231, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 231, 249);  
box-shadow:4px 4px 4px 4px rgb(121, 231,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0563, 0.2417, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 231, 249) }
```

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

```
.background{ background-color: rgb(121,  
231, 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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