

# Converting Colors

$Yxy(58.0006, 0.2398, 0.2924)$

Have a look what the booklet for  
Yxy(58.0006, 0.2398, 0.2924)  
contains.

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# Color

**Yxy(57.9924, 0.2399, 0.2925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D5F2
RGB	120, 213, 242
RGB Percent	47%, 84%, 95%
CMY	0.5296, 0.1647, 0.0509
CMYK	0.50, 0.12, 0.00, 0.05
HSL	194°, 82%, 71%
HSV	194°, 50%, 95%
XYZ	47.5637, 57.9924, 92.7085
YIQ	188.4990, -64.7370, -10.6970

# Conversions

## Conversions Part 2

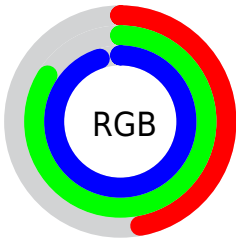
Format	Color
<a href="#">RYB</a>	<a href="#">120, 173, 242</a>
Decimal	<a href="#">7919090</a>
CIELab	<a href="#">80.73, -20.00, -22.78</a>
CIElCh	<a href="#">81, 30.310, 228.719</a>
Yxy	<a href="#">57.9924, 0.2399, 0.2925</a>
Android (android.graphics.Color)	<a href="#">4286109170 (0xFF78D5F2)</a>
YUV	<a href="#">188.4990, 26.3760, -60.0736</a>
Hunter-Lab	<a href="#">76.1527, -21.7793, -18.8729</a>

# Details

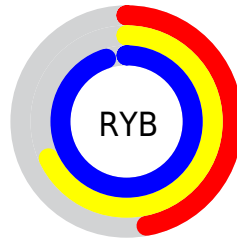
The Yxy color **57.9924, 0.2399, 0.2925** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.7190, 0.4390, 0.3609**, and the grayscale version is **50.4574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **28.8687, 0.2223, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **53.6354, 0.2287, 0.2839**, and if you desaturate by 10%, it is **62.8936, 0.2526, 0.3008**.

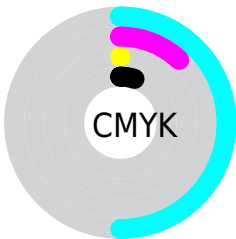
# Distribution



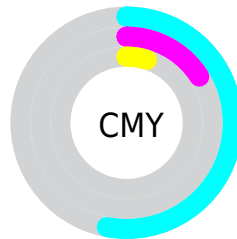
- Red (47%)
- Green (84%)
- Blue (95%)



- Red (47%)
- Yellow (68%)
- Blue (95%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (16%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9924, 0.2399, 0.2925 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 57.9924, 0.2399, 0.2925 by changing the saturation by 10% instead.




 57.9924, 0.2399,  
0.2925


 57.9924, 0.2399,  
0.2925


417.1576, 0.2739,  
0.3107


 41.8025, 0.2321,  
0.2880

 101.9118, 0.2517,  
0.2991

 28.9467, 0.2226,  
0.2823


 130.4101, 0.2563,  
0.3016

 19.0405, 0.2105,  
0.2749

 163.7800, 0.2602,  
0.3037

 11.6996, 0.1949,  
0.2648

202.4060, 0.2637,  
0.3055

 6.5394, 0.1740,  
0.2505

246.6723, 0.2667,  
0.3071

 3.1758, 0.1450,  
0.2288

296.9634, 0.2694,

 1.2242, 0.1016,

0.3085

0.1940

353.6637, 0.2718,  
0.3097

■ 0.0813, 0.0000,  
0.0416

■ 0.0000, 0.0000,  
0.0000

■ 57.9924, 0.2399,  
0.2925

■ 57.9924, 0.2399,  
0.2925

■ 53.6354, 0.2287,  
0.2839

■ 62.8936, 0.2526,  
0.3008

■ 49.7813, 0.2192,  
0.2750

■ 68.3636, 0.2666,  
0.3086

■ 46.3928, 0.2117,  
0.2661

■ 74.4330, 0.2813,  
0.3159

■ 43.4229, 0.2062,  
0.2573

■ 81.1281, 0.2966,  
0.3226

■ 40.9015, 0.2025,  
0.2489

■ 88.4735, 0.3120,  
0.3287

■ 94.5139, 0.3208,  
0.3343

■ 98.0966, 0.3204,  
0.3398

■ 99.1922, 0.3203,  
0.3415

# Harmonies

## Analogous

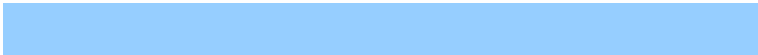
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.9924, 0.2509, 0.3270



57.9924, 0.2399, 0.2925



57.9924, 0.2467, 0.2709

# Triad

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



57.9924, 0.2399, 0.2925



57.9924, 0.3460, 0.2961



57.9924, 0.3537, 0.3995

# Complementary

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



57.9924, 0.2399, 0.2925



41.7190, 0.4390, 0.3609

# 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.



57.9924, 0.3820, 0.3852



57.9924, 0.2399, 0.2925



57.9924, 0.3781, 0.3258

# Square

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



57.9924, 0.2399, 0.2925



57.9924, 0.3059, 0.2744



57.9924, 0.3914, 0.3578



57.9924, 0.3155, 0.3929



# Rectangle

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



57.9924, 0.2399, 0.2925



57.9924, 0.2606, 0.2653



57.9924, 0.3914, 0.3578



57.9924, 0.3648, 0.3967

# Sweetspot

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



57.9946, 0.2399, 0.2925



87.7896, 0.2895, 0.3196



69.6593, 0.2918, 0.4529



18.4517, 0.2863, 0.3182



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.



57.9946, 0.2399, 0.2925



60.0563, 0.2279, 0.2832



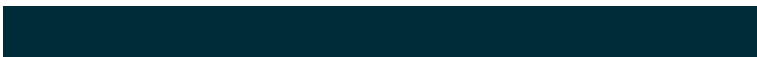
33.0210, 0.2239, 0.2108



17.2550, 0.2981, 0.3233



22.1893, 0.2029, 0.2503



1.9973, 0.2061, 0.2619



# Inverse Universe

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



37.1063, 0.3467, 0.2324



35.3327, 0.3565, 0.2157



66.0680, 0.4029, 0.4230



15.9634, 0.3174, 0.3112



12.0334, 0.3919, 0.1932

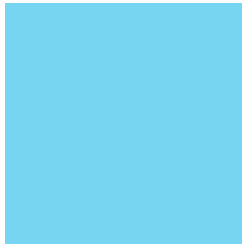


1.0163, 0.3806, 0.1870



# Previews

## White Background



This preview shows how the Yxy color 57.9924, 0.2399, 0.2925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

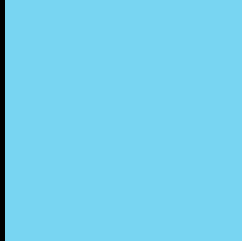
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9924, 0.2399, 0.2925 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 57.9924, 0.2399, 0.2925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9924, 0.2399, 0.2925.



This preview shows how white text looks on a background with the Yxy color 57.9924, 0.2399, 0.2925.

# 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

57.9924, 0.2399, 0.2925

### Protanopia

57.5518, 0.2855, 0.2895

### Deuteranopia

57.2861, 0.2779, 0.2714



## Tritanopia

58.2090, 0.2437, 0.3071

# Trichromacy



**Original Color**

57.9924, 0.2399, 0.2925

**Protanomaly**

56.8750, 0.2655, 0.2892

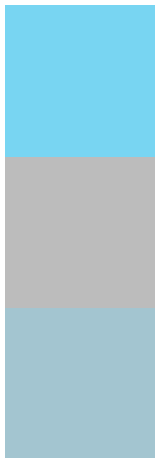
**Deuteranomaly**

57.1585, 0.2616, 0.2782

**Tritanomaly**

58.0008, 0.2421, 0.3009

# Monochromacy



**Original Color**

57.9924, 0.2399, 0.2925

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

52.2731, 0.2798, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9924, 0.2399, 0.2925 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(120, 213, 242)` looks like.

```
.text, #text, p{  
    color:rgb(120, 213, 242)  
}
```

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(120, 213, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 213, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9924, 0.2399, 0.2925 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(120, 213, 242) }
```

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

```
.border{ border-color:rgb(120, 213, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 213, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 213, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 213, 242);  
box-shadow:4px 4px 4px 4px rgb(120, 213,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9924, 0.2399, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 213, 242) }
```

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

```
.background{ background-color: rgb(120,  
213, 242) }
```

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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