

# Converting Colors

$Y_{xy}(57.2295, 0.2353, 0.2730)$

Have a look what the booklet for  
Yxy(57.2295, 0.2353, 0.2730)  
contains.

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# Color

**Yxy(57.1809, 0.2353, 0.2729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD1FF
RGB	125, 209, 255
RGB Percent	49%, 82%, 100%
CMY	0.5100, 0.1803, 0.0000
CMYK	0.51, 0.18, 0.00, 0.00
HSL	201°, 100%, 75%
HSV	201°, 51%, 100%
XYZ	49.3025, 57.1809, 103.0471
YIQ	189.1280, -64.8300, -3.5020

# Conversions

## Conversions Part 2

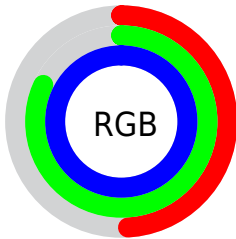
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 176, 255</a>
Decimal	<a href="#">8245759</a>
CIELab	<a href="#">80.28, -13.26, -30.36</a>
CIELCh	<a href="#">80, 33.130, 246.400</a>
Yxy	<a href="#">57.1809, 0.2353, 0.2729</a>
Android (android.graphics.Color)	<a href="#">4286435839 (0xFF7DD1FF)</a>
YUV	<a href="#">189.1280, 32.4749, -56.2403</a>
Hunter-Lab	<a href="#">75.6181, -15.9506, -27.8637</a>

# Details

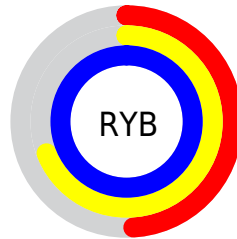
The Yxy color **57.1809, 0.2353, 0.2729** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.8444, 0.4324, 0.3768**, and the grayscale version is **50.7998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **28.5767, 0.2174, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **51.2037, 0.2225, 0.2595**, and if you desaturate by 10%, it is **63.9050, 0.2494, 0.2857**.

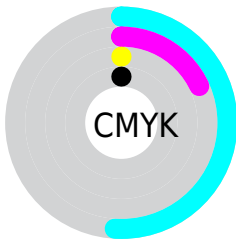
# Distribution



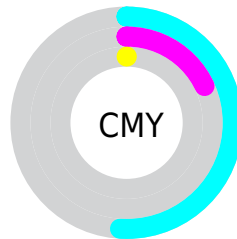
- Red (49%)
- Green (82%)
- Blue (100%)



- Red (49%)
- Yellow (69%)
- Blue (100%)



- Cyan (51%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1809, 0.2353, 0.2729 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 57.1809, 0.2353, 0.2729 by changing the saturation by 10% instead.





 57.1809, 0.2353,  
0.2729


 57.1809, 0.2353,  
0.2729


414.1268, 0.2714,  
0.3001


 41.1505, 0.2271,  
0.2664

 100.7291, 0.2478,  
0.2826

 28.4367, 0.2170,  
0.2584


 129.0157, 0.2527,  
0.2863

 18.6551, 0.2044,  
0.2480

 162.1564, 0.2569,  
0.2894

 11.4213, 0.1882,  
0.2344

200.5358, 0.2605,  
0.2921

 6.3510, 0.1667,  
0.2156

244.5381, 0.2637,  
0.2945

 3.0597, 0.1376,  
0.1888

294.5478, 0.2666,

 1.1630, 0.0970,

0.2966

0.1487

350.9492, 0.2691,  
0.2985

0.0311, 0.0000,  
0.0113

0.0000, 0.0000,  
0.0000

57.1809, 0.2353,  
0.2729

57.1809, 0.2353,  
0.2729

51.2037, 0.2225,  
0.2595

63.9050, 0.2494,  
0.2857

45.9249, 0.2114,  
0.2458

71.4085, 0.2644,  
0.2977

41.2979, 0.2023,  
0.2320

79.7287, 0.2799,  
0.3088

37.2656, 0.1953,  
0.2184

88.8982, 0.2956,  
0.3190

■ 34.0659, 0.1907,  
0.2064

■ 98.9477, 0.3112,  
0.3281

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



57.1809, 0.2358, 0.3028



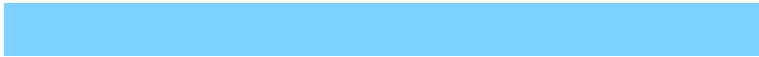
57.1809, 0.2353, 0.2729



57.1809, 0.2535, 0.2598

# Triad

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



57.1809, 0.2353, 0.2729



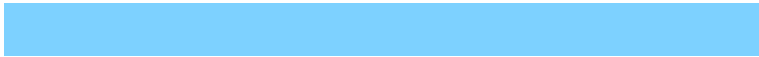
57.1809, 0.3720, 0.3112



57.1809, 0.3333, 0.4056

# Complementary

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



57.1809, 0.2353, 0.2729



51.8444, 0.4324, 0.3768

# 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.



57.1809, 0.3722, 0.4022



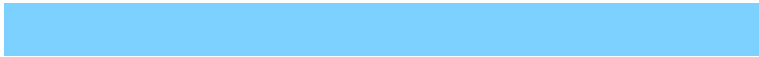
57.1809, 0.2353, 0.2729



57.1809, 0.3962, 0.3458

# Square

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



57.1809, 0.2353, 0.2729



57.1809, 0.3313, 0.2820



57.1809, 0.3959, 0.3790

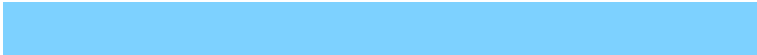


57.1809, 0.2905, 0.3839



# Rectangle

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



57.1809, 0.2353, 0.2729



57.1809, 0.2749, 0.2605



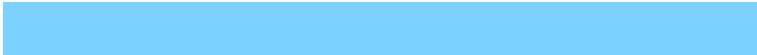
57.1809, 0.3959, 0.3790



57.1809, 0.3473, 0.4072

# Sweetspot

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



57.1829, 0.2353, 0.2729



85.1246, 0.2893, 0.3150



78.7967, 0.2845, 0.4352



17.8067, 0.2860, 0.3129



0.0000, 0.0000, 0.0000

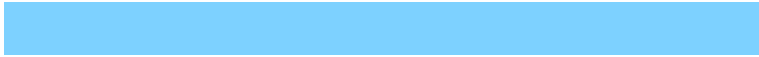


21.4041, 0.3127, 0.3290

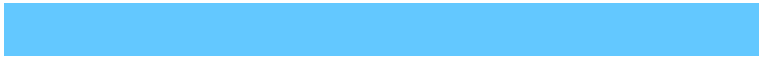


# Same Dimension

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



57.1829, 0.2353, 0.2729



51.2025, 0.2225, 0.2595



31.6634, 0.2188, 0.1896



19.3370, 0.2980, 0.3204



18.0919, 0.1913, 0.2086



1.9674, 0.1955, 0.2239



# Inverse Universe

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



40.5199, 0.3628, 0.2447



34.4389, 0.3771, 0.2312



82.4391, 0.3966, 0.4371



18.1849, 0.3193, 0.3138



12.5544, 0.4357, 0.2174

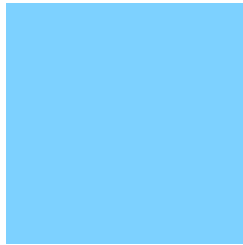


1.2432, 0.4191, 0.2082



# Previews

## White Background



This preview shows how the Yxy color 57.1809, 0.2353, 0.2729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

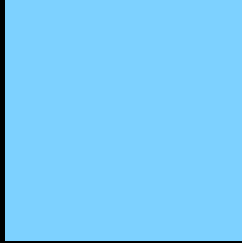
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1809, 0.2353, 0.2729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

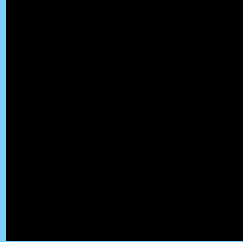
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

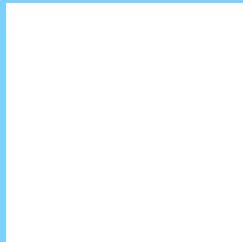
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1809, 0.2353, 0.2729**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1809, 0.2353, 0.2729.



This preview shows how white text looks on a background with the Yxy color 57.1809, 0.2353, 0.2729.

# 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

57.1809, 0.2353, 0.2729

### Protanopia

56.5728, 0.2718, 0.2716

### Deuteranopia

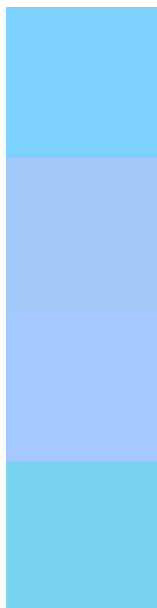
56.6893, 0.2664, 0.2612



## Tritanopia

57.0836, 0.2442, 0.3069

# Trichromacy



**Original Color**

57.1809, 0.2353, 0.2729

**Protanomaly**

56.5054, 0.2568, 0.2723

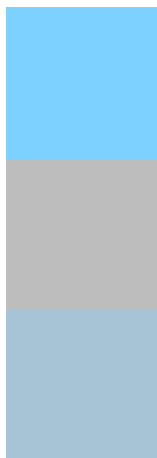
**Deuteranomaly**

56.4211, 0.2535, 0.2648

**Tritanomaly**

57.3120, 0.2411, 0.2948

# Monochromacy



**Original Color**

57.1809, 0.2353, 0.2729

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

52.3909, 0.2786, 0.3074

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1809, 0.2353, 0.2729 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(125, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 209, 255)  
}
```

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(125, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1809, 0.2353, 0.2729 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(125, 209, 255) }
```

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

```
.border{ border-color:rgb(125, 209, 255) }
```

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

Here you see how a box with a 4 pixel rgb(125, 209, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 209,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1809, 0.2353, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 209, 255) }
```

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

```
.background{ background-color: rgb(125,  
209, 255) }
```

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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