

# Converting Colors

$Yxy(63.0705, 0.2371, 0.2879)$

Have a look what the booklet for  
Yxy(63.0705, 0.2371, 0.2879)  
contains.

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# Color

**Yxy(63.0705, 0.2371, 0.2879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ADDFE
RGB	122, 221, 255
RGB Percent	48%, 87%, 100%
CMY	0.5213, 0.1334, 0.0000
CMYK	0.52, 0.13, 0.00, 0.00
HSL	195°, 100%, 74%
HSV	195°, 52%, 100%
XYZ	51.9417, 63.0705, 104.0587
YIQ	195.2750, -69.9180, -10.4140

# Conversions

## Conversions Part 2

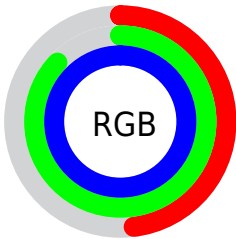
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 179, 255
Decimal	8052223
CIELab	83.48, -20.00, -25.49
CIELCh	83, 32.399, 231.869
Yxy	63.0705, 0.2371, 0.2879
Android (android.graphics.Color)	4286242303 (0xFF7ADDFF)
YUV	195.2750, 29.4444, -64.2622
Hunter-Lab	79.4169, -22.2338, -22.0948

# Details

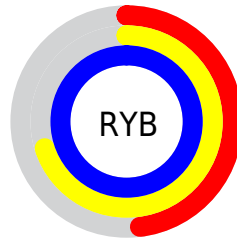
The Yxy color **63.0705, 0.2371, 0.2879** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.4708, 0.4442, 0.3643**, and the grayscale version is **54.6082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **32.2195, 0.2199, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **58.0685, 0.2259, 0.2785**, and if you desaturate by 10%, it is **68.6970, 0.2499, 0.2970**.

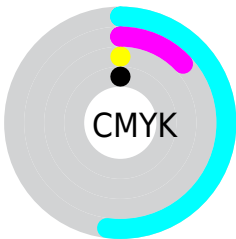
# Distribution



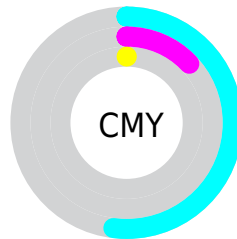
- Red (48%)
- Green (87%)
- Blue (100%)



- Red (48%)
- Yellow (70%)
- Blue (100%)



- Cyan (52%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (13%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0705, 0.2371, 0.2879 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 63.0705, 0.2371, 0.2879 by changing the saturation by 10% instead.




 63.0705, 0.2371,  
0.2879


 63.0705, 0.2371,  
0.2879


435.8253, 0.2718,  
0.3080


 45.8982, 0.2293,  
0.2831

 109.2712, 0.2490,  
0.2951

 32.1655, 0.2198,  
0.2770

 139.0685, 0.2537,  
0.2978

 21.4880, 0.2080,  
0.2692


 173.8428, 0.2577,  
0.3001

 13.4812, 0.1928,  
0.2588

213.9787, 0.2613,  
0.3022

 7.7607, 0.1728,  
0.2443

259.8605, 0.2644,  
0.3039

 3.9422, 0.1458,  
0.2232

311.8726, 0.2671,

 1.6413, 0.1082,

0.3055

0.1903

370.3994, 0.2696,  
0.3068

0.3852, 0.0000,  
0.1207

0.0000, 0.0000,  
0.0000

63.0705, 0.2371,  
0.2879

63.0705, 0.2371,  
0.2879

58.0685, 0.2259,  
0.2785

68.6970, 0.2499,  
0.2970

53.6470, 0.2165,  
0.2689

74.9809, 0.2638,  
0.3056

49.7607, 0.2091,  
0.2592

81.9563, 0.2786,  
0.3136

46.3535, 0.2037,  
0.2496

89.6540, 0.2939,  
0.3209

■ 43.9437, 0.2006,  
0.2421

■ 98.1023, 0.3094,  
0.3277

100.0000, 0.3127,  
0.3290

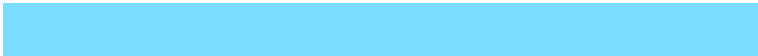
# Harmonies

## Analogous

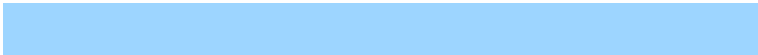
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.0705, 0.2466, 0.3226



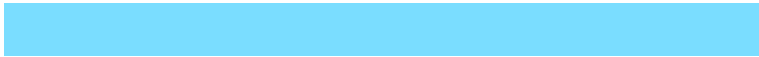
63.0705, 0.2371, 0.2879



63.0705, 0.2460, 0.2673

# Triad

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



63.0705, 0.2371, 0.2879



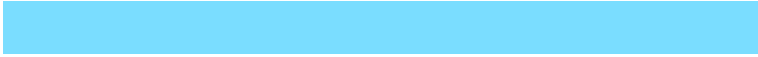
63.0705, 0.3514, 0.2977



63.0705, 0.3513, 0.4027

# Complementary

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



63.0705, 0.2371, 0.2879



46.4708, 0.4442, 0.3643

# 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.



63.0705, 0.3824, 0.3897



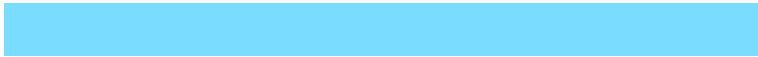
63.0705, 0.2371, 0.2879



63.0705, 0.3832, 0.3290

# Square

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



63.0705, 0.2371, 0.2879



63.0705, 0.3100, 0.2743



63.0705, 0.3946, 0.3621



63.0705, 0.3112, 0.3935



# Rectangle

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



63.0705, 0.2371, 0.2879



63.0705, 0.2615, 0.2627



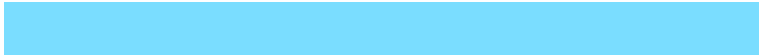
63.0705, 0.3946, 0.3621



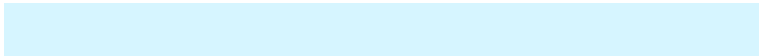
63.0705, 0.3632, 0.4005

# Sweetspot

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



63.0717, 0.2371, 0.2879



86.5863, 0.2879, 0.3182



78.0397, 0.2902, 0.4554



18.1936, 0.2848, 0.3167



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.



63.0717, 0.2371, 0.2879



57.6607, 0.2250, 0.2777



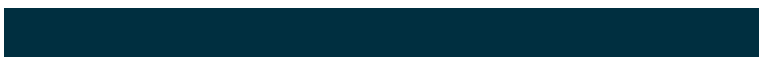
34.9070, 0.2200, 0.2028



19.6483, 0.2980, 0.3228



23.2143, 0.2010, 0.2437



2.4357, 0.2041, 0.2546



# Inverse Universe

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



40.4169, 0.3508, 0.2314



34.1777, 0.3617, 0.2154



74.7864, 0.4053, 0.4280



18.2163, 0.3177, 0.3115



13.0715, 0.3986, 0.1969

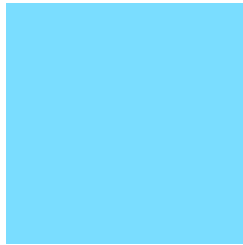


1.2904, 0.3877, 0.1910



# Previews

## White Background



This preview shows how the Yxy color 63.0705, 0.2371, 0.2879 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

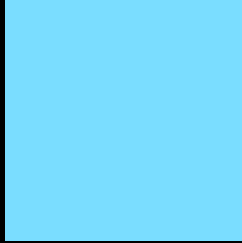
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0705, 0.2371, 0.2879 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 63.0705, 0.2371, 0.2879**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0705, 0.2371, 0.2879.

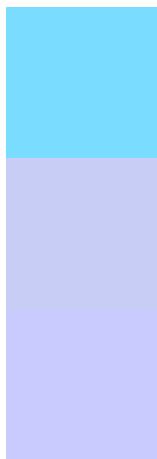


This preview shows how white text looks on a background with the Yxy color 63.0705, 0.2371, 0.2879.

# 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

63.0705, 0.2371, 0.2879

### Protanopia

62.3364, 0.2825, 0.2854

### Deuteranopia

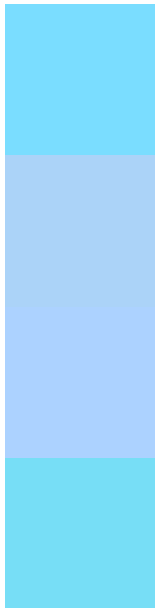
62.3494, 0.2771, 0.2721



## Tritanopia

62.9081, 0.2417, 0.3065

# Trichromacy



**Original Color**

63.0705, 0.2371, 0.2879

**Protanomaly**

62.0238, 0.2630, 0.2860

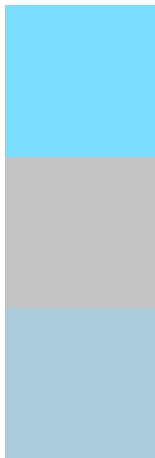
**Deuteranomaly**

62.0838, 0.2597, 0.2775

**Tritanomaly**

62.8183, 0.2400, 0.2994

# Monochromacy



**Original Color**

63.0705, 0.2371, 0.2879

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

56.5203, 0.2782, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.0705, 0.2371, 0.2879 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(122, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 221, 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(122, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 221, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0705, 0.2371, 0.2879 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(122, 221, 255) }
```

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

```
.border{ border-color:rgb(122, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 221,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0705, 0.2371, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 221, 255) }
```

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

```
.background{ background-color: rgb(122,  
221, 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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