

# Converting Colors

Yxy(63.6898, 0.2345, 0.2719)

Have a look what the booklet for  
Yxy(63.6898, 0.2345, 0.2719)  
contains.

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# Color

**Yxy(62.6289, 0.2400, 0.2858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82DBFF
RGB	130, 219, 255
RGB Percent	51%, 86%, 100%
CMY	0.4899, 0.1412, 0.0000
CMYK	0.49, 0.14, 0.00, 0.00
HSL	197°, 100%, 76%
HSV	197°, 49%, 100%
XYZ	52.5925, 62.6289, 103.9140
YIQ	196.4930, -64.6000, -7.6720

# Conversions

## Conversions Part 2

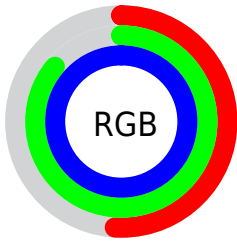
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	130, 182, 255
Decimal	8575999
CIELab	83.25, -17.30, -25.80
CIELCh	83, 31.060, 236.149
Yxy	62.6289, 0.2400, 0.2858
Android (android.graphics.Color)	4286766079 (0xFF82DBFF)
YUV	196.4930, 28.8440, -58.3144
Hunter-Lab	79.1384, -19.8677, -22.4548

# Details

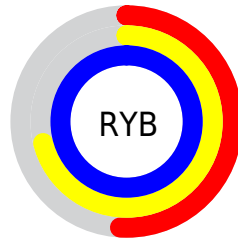
The Yxy color **62.6289, 0.2400, 0.2858** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.1644, 0.4307, 0.3667**, and the grayscale version is **55.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **31.8933, 0.2234, 0.2749** is the 20% darker color. If you saturate the color by 10%, you get **57.1083, 0.2278, 0.2752**, and if you desaturate by 10%, it is **68.8231, 0.2535, 0.2959**.

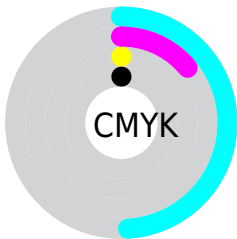
# Distribution



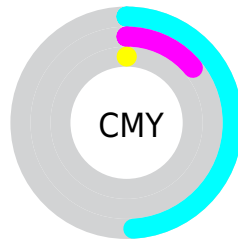
- Red (51%)
- Green (86%)
- Blue (100%)



- Red (51%)
- Yellow (71%)
- Blue (100%)



- Cyan (49%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6289, 0.2400, 0.2858 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 62.6289, 0.2400, 0.2858 by changing the saturation by 10% instead.




 62.6289, 0.2400,  
0.2858


 62.6289, 0.2400,  
0.2858

434.2214, 0.2735,  
0.3068

 45.5411, 0.2325,  
0.2808


 108.6340, 0.2515,  
0.2933

 31.8838, 0.2233,  
0.2745


 138.3200, 0.2560,  
0.2961

 21.2728, 0.2117,  
0.2665


 172.9741, 0.2599,  
0.2986

 13.3235, 0.1970,  
0.2558

212.9809, 0.2633,  
0.3007

 7.6517, 0.1775,  
0.2410

258.7246, 0.2663,  
0.3025

 3.8729, 0.1509,  
0.2195

310.5896, 0.2690,

 1.6027, 0.1136,

0.3041

0.1862

368.9605, 0.2713,  
0.3055

0.3594, 0.0000,  
0.1140

0.0000, 0.0000,  
0.0000

62.6289, 0.2400,  
0.2858

62.6289, 0.2400,  
0.2858

57.1083, 0.2278,  
0.2752

68.8231, 0.2535,  
0.2959

52.2143, 0.2174,  
0.2643

75.7195, 0.2681,  
0.3055

47.9044, 0.2088,  
0.2532

83.3535, 0.2833,  
0.3143

44.1252, 0.2023,  
0.2422

91.7554, 0.2988,  
0.3224

■ 40.7997, 0.1977,  
0.2314

99.9993, 0.3127,  
0.3290

■ 40.4801, 0.1973,  
0.2303

# Harmonies

## Analogous

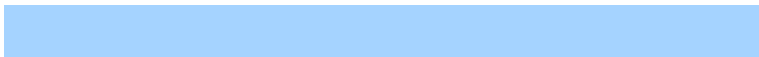
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6289, 0.2467, 0.3177



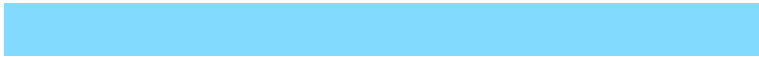
62.6289, 0.2400, 0.2858



62.6289, 0.2511, 0.2680

# Triad

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



62.6289, 0.2400, 0.2858



62.6289, 0.3551, 0.3029



62.6289, 0.3447, 0.3999

# Complementary

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



62.6289, 0.2400, 0.2858



50.1644, 0.4307, 0.3667

# 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.



62.6289, 0.3764, 0.3903



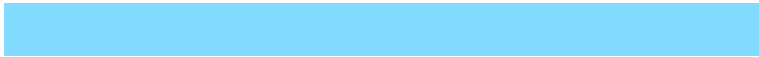
62.6289, 0.2400, 0.2858



62.6289, 0.3833, 0.3337

# Square

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



62.6289, 0.2400, 0.2858



62.6289, 0.3159, 0.2788



62.6289, 0.3911, 0.3653

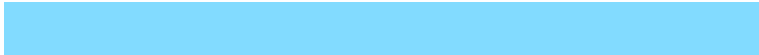


62.6289, 0.3058, 0.3877



# Rectangle

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



62.6289, 0.2400, 0.2858



62.6289, 0.2675, 0.2651



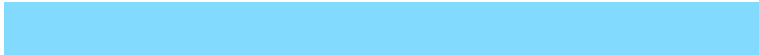
62.6289, 0.3911, 0.3653



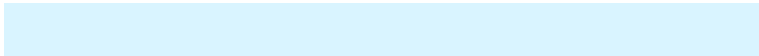
62.6289, 0.3566, 0.3989

# Sweetspot

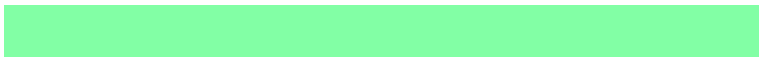
The Sweet Spot groups the original color and five complimentary colors.



62.6313, 0.2400, 0.2858



86.6225, 0.2894, 0.3176



78.9973, 0.2892, 0.4410



18.1689, 0.2862, 0.3159



0.0000, 0.0000, 0.0000

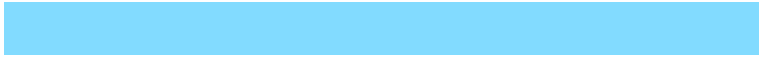


21.4041, 0.3127, 0.3290



# Same Dimension

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



62.6313, 0.2400, 0.2858



57.1098, 0.2278, 0.2752



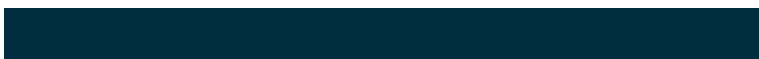
36.1285, 0.2249, 0.2065



19.5452, 0.2980, 0.3220



21.4227, 0.1978, 0.2321



2.2734, 0.2013, 0.2445



# Inverse Universe

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



42.3545, 0.3518, 0.2403



36.0077, 0.3629, 0.2250



78.3152, 0.3973, 0.4263



18.2059, 0.3182, 0.3122



12.8906, 0.4104, 0.2035

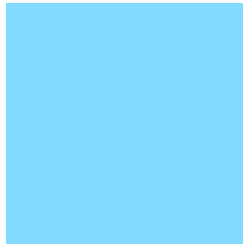


1.2740, 0.3977, 0.1965



# Previews

## White Background



This preview shows how the Yxy color 62.6289, 0.2400, 0.2858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

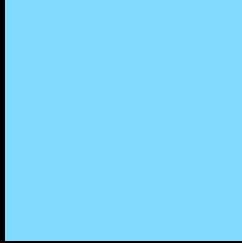
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6289, 0.2400, 0.2858 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

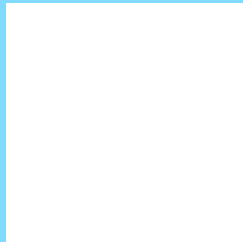
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.6289, 0.2400, 0.2858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6289, 0.2400, 0.2858.



This preview shows how white text looks on a background with the Yxy color 62.6289, 0.2400, 0.2858.

# 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

62.6289, 0.2400, 0.2858

### Protanopia

61.7841, 0.2812, 0.2831

### Deuteranopia

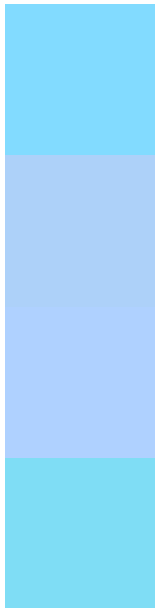
62.2112, 0.2764, 0.2720



## Tritanopia

62.8938, 0.2452, 0.3066

# Trichromacy



**Original Color**

62.6289, 0.2400, 0.2858

**Protanomaly**

61.3247, 0.2634, 0.2827

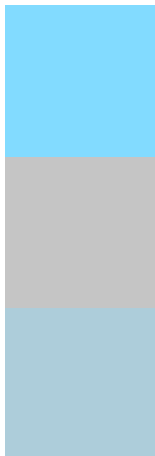
**Deuteranomaly**

61.9349, 0.2614, 0.2766

**Tritanomaly**

62.8175, 0.2436, 0.2995

# Monochromacy



**Original Color**

62.6289, 0.2400, 0.2858

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

57.6088, 0.2810, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6289, 0.2400, 0.2858 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(130, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 219, 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(130, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6289, 0.2400, 0.2858 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(130, 219, 255) }
```

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

```
.border{ border-color:rgb(130, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6289, 0.2400, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 219, 255) }
```

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

```
.background{ background-color: rgb(130,  
219, 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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