

# Converting Colors

$Yxy(63.6645, 0.2360, 0.3001)$

Have a look what the booklet for  
Yxy(63.6645, 0.2360, 0.3001)  
contains.

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# Color

**Yxy(63.8789, 0.2361, 0.3005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DE1F8
RGB	109, 225, 248
RGB Percent	43%, 88%, 97%
CMY	0.5720, 0.1177, 0.0274
CMYK	0.56, 0.09, 0.00, 0.03
HSL	190°, 91%, 70%
HSV	190°, 56%, 97%
XYZ	50.1890, 63.8789, 98.5074
YIQ	192.9380, -76.5190, -17.4390

# Conversions

## Conversions Part 2

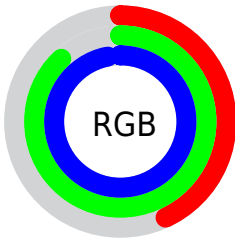
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	109, 172, 248
Decimal	7201272
CIELab	83.90, -26.48, -21.19
CIELCh	84, 33.913, 218.666
Yxy	63.8789, 0.2361, 0.3005
Android (android.graphics.Color)	4285391352 (0xFF6DE1F8)
YUV	192.9380, 27.1456, -73.6136
Hunter-Lab	79.9243, -27.7771, -17.1285

# Details

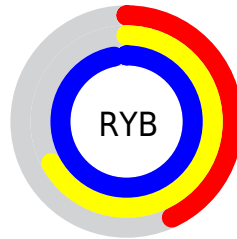
The Yxy color **63.8789, 0.2361, 0.3005** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.6151, 0.4672, 0.3531**, and the grayscale version is **53.1819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **32.5390, 0.2182, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **60.3246, 0.2268, 0.2946**, and if you desaturate by 10%, it is **67.9354, 0.2471, 0.3063**.

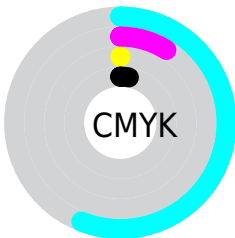
# Distribution



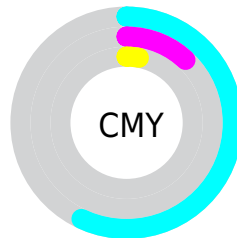
- Red (43%)
- Green (88%)
- Blue (97%)



- Red (43%)
- Yellow (67%)
- Blue (97%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)




- Cyan (57%)
- Magenta (12%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8789, 0.2361, 0.3005 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 63.8789, 0.2361, 0.3005 by changing the saturation by 10% instead.



 63.8789, 0.2361,  
0.3005

 63.8789, 0.2361,  
0.3005


438.7522, 0.2712,  
0.3149


 46.5526, 0.2282,  
0.2969


 110.4365, 0.2482,  
0.3057

 32.6821, 0.2186,  
0.2924


 140.4366, 0.2529,  
0.3077

 21.8830, 0.2066,  
0.2864


 175.4301, 0.2570,  
0.3094

 13.7710, 0.1912,  
0.2783

215.8014, 0.2606,  
0.3108

 7.9615, 0.1710,  
0.2668

261.9348, 0.2637,  
0.3120

 4.0704, 0.1435,  
0.2492

314.2149, 0.2665,

 1.7130, 0.1051,

0.3131

0.2205

373.0258, 0.2690,  
0.3141

0.4321, 0.0000,  
0.1566

0.0000, 0.0000,  
0.0000

63.8789, 0.2361,  
0.3005

63.8789, 0.2361,  
0.3005

60.3246, 0.2268,  
0.2946

67.9354, 0.2471,  
0.3063

57.2265, 0.2195,  
0.2885

72.5213, 0.2597,  
0.3118

54.5418, 0.2141,  
0.2825

77.6698, 0.2735,  
0.3171

52.2146, 0.2106,  
0.2766

83.4094, 0.2881,  
0.3220

■ 51.3494, 0.2095,  
0.2742

■ 89.7665, 0.3034,  
0.3265

■ 96.2030, 0.3171,  
0.3306

■ 98.7828, 0.3168,  
0.3345

■ 99.5586, 0.3168,  
0.3357

# Harmonies

## Analogous

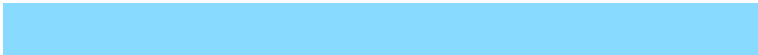
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.8789, 0.2540, 0.3408



63.8789, 0.2361, 0.3005



63.8789, 0.2370, 0.2721

# Triad

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



63.8789, 0.2361, 0.3005



63.8789, 0.3344, 0.2845



63.8789, 0.3689, 0.4023

# Complementary

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



63.8789, 0.2361, 0.3005



37.6151, 0.4672, 0.3531

# 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.



63.8789, 0.3937, 0.3806



63.8789, 0.2361, 0.3005



63.8789, 0.3737, 0.3140

# Square

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



63.8789, 0.2361, 0.3005



63.8789, 0.2912, 0.2653



63.8789, 0.3959, 0.3483



63.8789, 0.3298, 0.4037

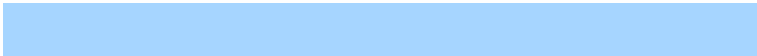


# Rectangle

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



63.8789, 0.2361, 0.3005



63.8789, 0.2480, 0.2623



63.8789, 0.3959, 0.3483



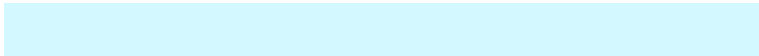
63.8789, 0.3793, 0.3969

# Sweetspot

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



63.8813, 0.2361, 0.3005



88.1834, 0.2866, 0.3215



72.0181, 0.2955, 0.4845



18.6034, 0.2836, 0.3205



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

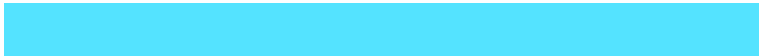


# Same Dimension

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



63.8813, 0.2361, 0.3005



63.8666, 0.2259, 0.2939



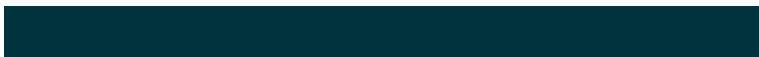
34.4045, 0.2169, 0.2105



19.0897, 0.2980, 0.3250



27.9121, 0.2098, 0.2752



2.7111, 0.2118, 0.2823



# Inverse Universe

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



36.3614, 0.3413, 0.2147



33.1515, 0.3484, 0.1983



62.1030, 0.4208, 0.4215



17.4722, 0.3163, 0.3094



13.2286, 0.3679, 0.1801

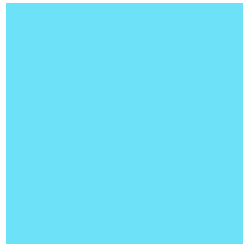


1.2379, 0.3614, 0.1764



# Previews

## White Background



This preview shows how the Yxy color 63.8789, 0.2361, 0.3005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

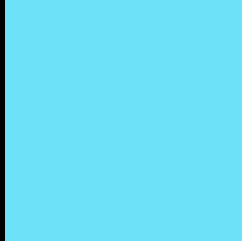
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8789, 0.2361, 0.3005 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 63.8789, 0.2361, 0.3005**

## Background



This preview shows how black text looks on a background with the Yxy color 63.8789, 0.2361, 0.3005.

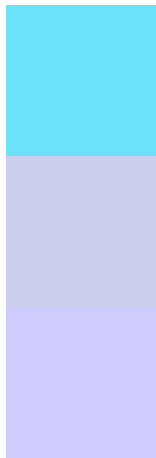


This preview shows how white text looks on a background with the Yxy color 63.8789, 0.2361, 0.3005.

# 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

63.8789, 0.2361, 0.3005

### Protanopia

62.8953, 0.2904, 0.2953

### Deuteranopia

62.9255, 0.2817, 0.2746



## Tritanopia

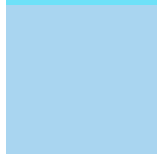
64.1125, 0.2377, 0.3065

# Trichromacy



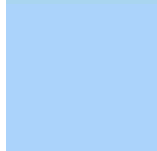
## Original Color

63.8789, 0.2361, 0.3005



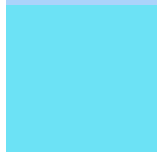
## Protanomaly

62.3148, 0.2665, 0.2971



## Deuteranomaly

62.2115, 0.2614, 0.2828



## Tritanomaly

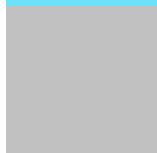
64.1734, 0.2372, 0.3053

# Monochromacy



## Original Color

63.8789, 0.2361, 0.3005



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

56.2533, 0.2774, 0.3188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8789, 0.2361, 0.3005 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(109, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(109, 225, 248)  
}
```

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(109, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 225, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8789, 0.2361, 0.3005 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(109, 225, 248) }
```

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

```
.border{ border-color:rgb(109, 225, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 225, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(109, 225,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8789, 0.2361, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 225, 248) }
```

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

```
.background{ background-color: rgb(109,  
225, 248) }
```

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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