

# Converting Colors

$Yxy(62.6724, 0.2335, 0.2882)$

Have a look what the booklet for  
Yxy(62.6724, 0.2335, 0.2882)  
contains.

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# Color

**Yxy(62.9073, 0.2335, 0.2888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70DEFF
RGB	112, 222, 255
RGB Percent	44%, 87%, 100%
CMY	0.5603, 0.1294, 0.0001
CMYK	0.56, 0.13, 0.00, 0.00
HSL	194°, 100%, 72%
HSV	194°, 56%, 100%
XYZ	50.8617, 62.9073, 104.0541
YIQ	192.8720, -76.1530, -13.0570

# Conversions

## Conversions Part 2

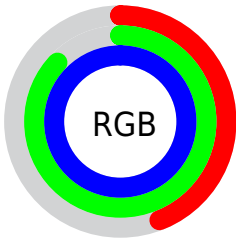
Format	Color
R <sub>Y</sub> B	112, 174, 255
Decimal	7397119
CIE Lab	83.39, -22.49, -25.63
CIE LCh	83, 34.097, 228.737
Yxy	62.9073, 0.2335, 0.2888
Android (android.graphics.Color)	4285587199 (0xFF70DEFF)
YUV	192.8720, 30.6291, -70.9247
Hunter-Lab	79.3141, -24.3332, -22.2641

# Details

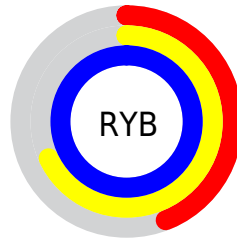
The Yxy color **62.9073, 0.2335, 0.2888** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.7142, 0.4611, 0.3627**, and the grayscale version is **53.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **32.1658, 0.2157, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **58.3917, 0.2233, 0.2803**, and if you desaturate by 10%, it is **68.0105, 0.2454, 0.2971**.

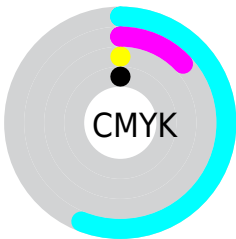
# Distribution



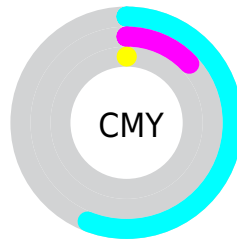
- Red (44%)
- Green (87%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9073, 0.2335, 0.2888 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 62.9073, 0.2335, 0.2888 by changing the saturation by 10% instead.




 62.9073, 0.2335,  
0.2888


 62.9073, 0.2335,  
0.2888


435.2330, 0.2698,  
0.3086


 45.7662, 0.2254,  
0.2840


 109.0358, 0.2460,  
0.2959

 32.0614, 0.2155,  
0.2780


 138.7919, 0.2508,  
0.2986

 21.4084, 0.2031,  
0.2702


 173.5219, 0.2551,  
0.3009

 13.4228, 0.1874,  
0.2598

213.6101, 0.2588,  
0.3029

 7.7204, 0.1668,  
0.2453

259.4409, 0.2620,  
0.3046

 3.9165, 0.1390,  
0.2239

311.3988, 0.2649,

 1.6270, 0.1008,

0.3061

0.1906

369.8680, 0.2675,  
0.3075

■ 0.3757, 0.0000,  
0.1181

■ 0.0000, 0.0000,  
0.0000

■ 62.9073, 0.2335,  
0.2888

■ 62.9073, 0.2335,  
0.2888

■ 58.3917, 0.2233,  
0.2803

■ 68.0105, 0.2454,  
0.2971

■ 54.4143, 0.2151,  
0.2716

■ 73.7316, 0.2586,  
0.3049

■ 50.9284, 0.2088,  
0.2630

■ 80.1068, 0.2729,  
0.3123

■ 47.8731, 0.2045,  
0.2544

■ 87.1672, 0.2879,  
0.3192

■ 46.7438, 0.2031,  
0.2511

■ 94.9417, 0.3034,  
0.3255

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

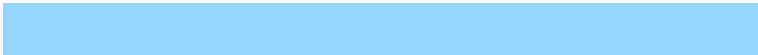
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9073, 0.2453, 0.3265



62.9073, 0.2335, 0.2888



62.9073, 0.2408, 0.2656

# Triad

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



62.9073, 0.2335, 0.2888



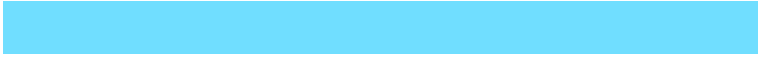
62.9073, 0.3491, 0.2931



62.9073, 0.3573, 0.4063

# Complementary

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



62.9073, 0.2335, 0.2888



42.7142, 0.4611, 0.3627

# 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.



62.9073, 0.3884, 0.3901



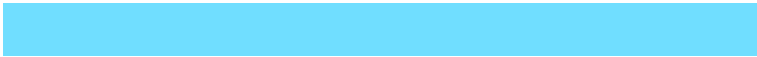
62.9073, 0.2335, 0.2888



62.9073, 0.3844, 0.3252

# Square

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



62.9073, 0.2335, 0.2888



62.9073, 0.3052, 0.2697



62.9073, 0.3989, 0.3600

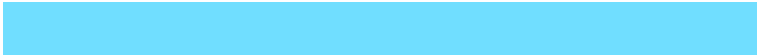


62.9073, 0.3155, 0.3994



# Rectangle

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



62.9073, 0.2335, 0.2888



62.9073, 0.2559, 0.2597



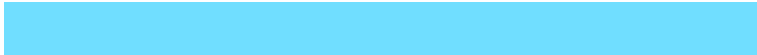
62.9073, 0.3989, 0.3600



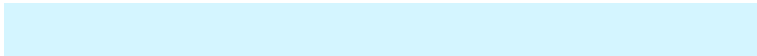
62.9073, 0.3694, 0.4031

# Sweetspot

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



62.9096, 0.2335, 0.2888



86.4633, 0.2865, 0.3186



76.9473, 0.2914, 0.4728



18.1939, 0.2834, 0.3172



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.



62.9096, 0.2335, 0.2888



57.9909, 0.2224, 0.2794



33.3225, 0.2140, 0.1977



19.7283, 0.2980, 0.3234



24.6663, 0.2035, 0.2525



2.5663, 0.2062, 0.2622



# Inverse Universe

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



38.1451, 0.3508, 0.2222



32.5583, 0.3609, 0.2070



70.7786, 0.4153, 0.4302



18.2244, 0.3174, 0.3109



13.2180, 0.3898, 0.1921

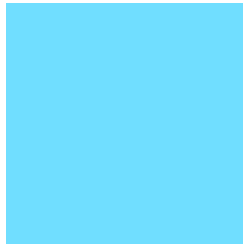


1.3036, 0.3802, 0.1868



# Previews

## White Background



This preview shows how the Yxy color 62.9073, 0.2335, 0.2888 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 62.9073, 0.2335, 0.2888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

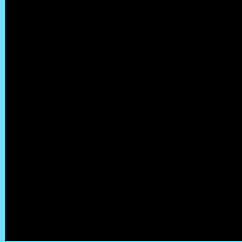
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9073, 0.2335, 0.2888**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9073, 0.2335, 0.2888.

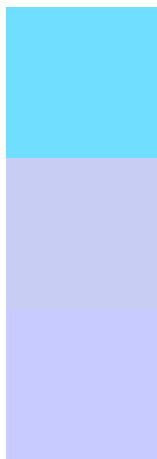


This preview shows how white text looks on a background with the Yxy color 62.9073, 0.2335, 0.2888.

# 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

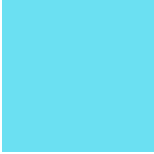
62.9073, 0.2335, 0.2888

### Protanopia

62.2758, 0.2832, 0.2864

### Deuteranopia

62.2112, 0.2764, 0.2720



## **Tritanopia**

62.8479, 0.2376, 0.3063

# Trichromacy



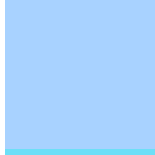
## Original Color

62.9073, 0.2335, 0.2888



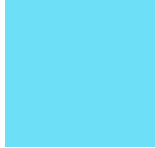
## Protanomaly

61.5194, 0.2612, 0.2869



## Deuteranomaly

61.6380, 0.2574, 0.2772



## Tritanomaly

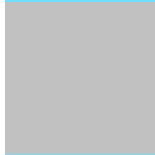
62.7420, 0.2359, 0.2992

# Monochromacy



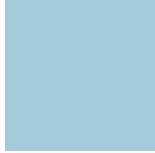
## Original Color

62.9073, 0.2335, 0.2888



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

56.0361, 0.2761, 0.3139

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9073, 0.2335, 0.2888 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(112, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 222, 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(112, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 222, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9073, 0.2335, 0.2888 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(112, 222, 255) }
```

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

```
.border{ border-color:rgb(112, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 222,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9073, 0.2335, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 222, 255) }
```

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

```
.background{ background-color: rgb(112,  
222, 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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