

# Converting Colors

$Yxy(66.9216, 0.2146, 0.2319)$

Have a look what the booklet for  
Yxy(66.9216, 0.2146, 0.2319)  
contains.

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# Color

**Yxy(62.7845, 0.2355, 0.2878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76DDFF
RGB	118, 221, 255
RGB Percent	46%, 87%, 100%
CMY	0.5372, 0.1333, 0.0001
CMYK	0.54, 0.13, 0.00, 0.00
HSL	195°, 100%, 73%
HSV	195°, 54%, 100%
XYZ	51.3751, 62.7845, 103.9936
YIQ	194.0790, -72.3020, -11.2620

# Conversions

## Conversions Part 2

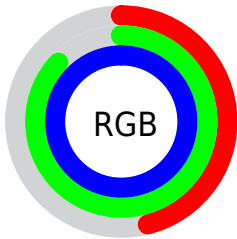
Format	Color
<a href="#">RYB</a>	<a href="#">118, 177, 255</a>
Decimal	<a href="#">7790079</a>
CIELab	<a href="#">83.33, -20.85, -25.70</a>
CIELCh	<a href="#">83, 33.095, 230.955</a>
Yxy	<a href="#">62.7845, 0.2355, 0.2878</a>
Android (android.graphics.Color)	<a href="#">4285980159 (0xFF76DDFF)</a>
YUV	<a href="#">194.0790, 30.0341, -66.7213</a>
Hunter-Lab	<a href="#">79.2367, -22.9292, -22.3491</a>

# Details

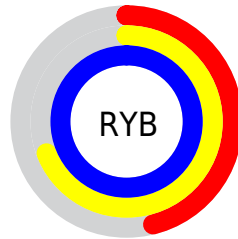
The Yxy color **62.7845, 0.2355, 0.2878** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.0147, 0.4507, 0.3641**, and the grayscale version is **53.8520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **32.0535, 0.2181, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **57.9594, 0.2247, 0.2787**, and if you desaturate by 10%, it is **68.2224, 0.2479, 0.2966**.

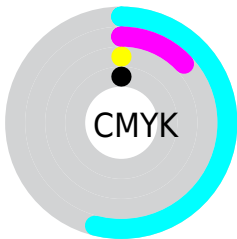
# Distribution



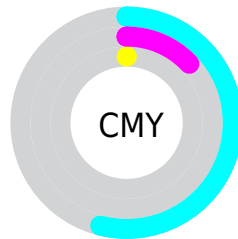
- Red (46%)
- Green (87%)
- Blue (100%)



- Red (46%)
- Yellow (69%)
- Blue (100%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7845, 0.2355, 0.2878 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 62.7845, 0.2355, 0.2878 by changing the saturation by 10% instead.





 62.7845, 0.2355,  
0.2878


 62.7845, 0.2355,  
0.2878


434.7870, 0.2709,  
0.3080


 45.6669, 0.2276,  
0.2829


 108.8586, 0.2477,  
0.2950

 31.9830, 0.2179,  
0.2768


 138.5838, 0.2524,  
0.2978

 21.3485, 0.2058,  
0.2689


 173.2804, 0.2566,  
0.3001

 13.3790, 0.1903,  
0.2584

213.3326, 0.2602,  
0.3021

 7.6901, 0.1700,  
0.2438

259.1251, 0.2633,  
0.3039

 3.8973, 0.1426,  
0.2224

311.0420, 0.2662,

 1.6163, 0.1046,

0.3055

0.1890

369.4678, 0.2687,  
0.3068

0.3685, 0.0000,  
0.1163

0.0000, 0.0000,  
0.0000

62.7845, 0.2355,  
0.2878

62.7845, 0.2355,  
0.2878

57.9594, 0.2247,  
0.2787

68.2224, 0.2479,  
0.2966

53.6990, 0.2157,  
0.2693

74.3028, 0.2616,  
0.3050

49.9578, 0.2087,  
0.2600

81.0614, 0.2763,  
0.3129

46.6782, 0.2037,  
0.2507

88.5292, 0.2915,  
0.3201

■ 44.8013, 0.2014,  
0.2449

■ 96.7348, 0.3070,  
0.3267

99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

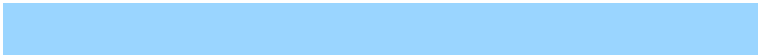
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7845, 0.2457, 0.3237



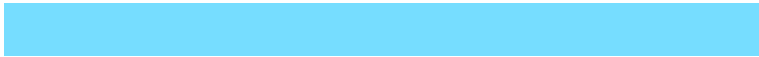
62.7845, 0.2355, 0.2878



62.7845, 0.2440, 0.2663

# Triad

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



62.7845, 0.2355, 0.2878



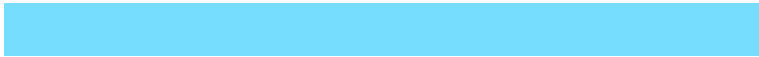
62.7845, 0.3510, 0.2962



62.7845, 0.3533, 0.4043

# Complementary

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



62.7845, 0.2355, 0.2878



45.0147, 0.4507, 0.3641

# 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.



62.7845, 0.3846, 0.3903



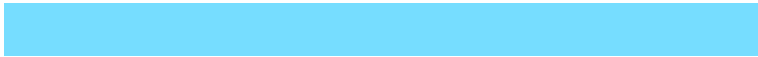
62.7845, 0.2355, 0.2878



62.7845, 0.3841, 0.3279

# Square

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



62.7845, 0.2355, 0.2878



62.7845, 0.3086, 0.2726



62.7845, 0.3965, 0.3617



62.7845, 0.3124, 0.3957



# Rectangle

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



62.7845, 0.2355, 0.2878



62.7845, 0.2595, 0.2613



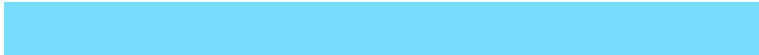
62.7845, 0.3965, 0.3617



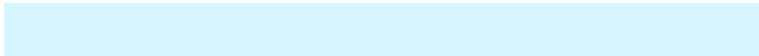
62.7845, 0.3654, 0.4019

# Sweetspot

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



62.7868, 0.2355, 0.2878



86.7791, 0.2880, 0.3185



77.5560, 0.2909, 0.4629



18.2398, 0.2848, 0.3170



0.0000, 0.0000, 0.0000

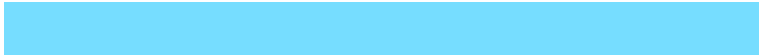


21.4041, 0.3127, 0.3290



# Same Dimension

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



62.7868, 0.2355, 0.2878



57.8439, 0.2244, 0.2784



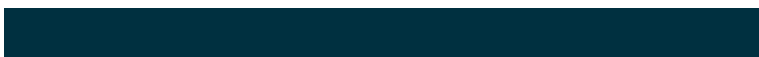
34.3607, 0.2176, 0.2012



19.6734, 0.2980, 0.3230



23.6638, 0.2018, 0.2464



2.4763, 0.2047, 0.2570



# Inverse Universe

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



39.4366, 0.3512, 0.2279



33.7616, 0.3613, 0.2130



72.9401, 0.4095, 0.4286



18.2188, 0.3176, 0.3113



13.1168, 0.3958, 0.1954

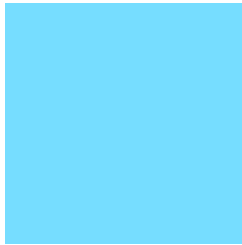


1.2945, 0.3854, 0.1897



# Previews

## White Background



This preview shows how the Yxy color 62.7845, 0.2355, 0.2878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

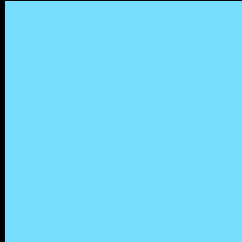
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7845, 0.2355, 0.2878 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 62.7845, 0.2355, 0.2878**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7845, 0.2355, 0.2878.

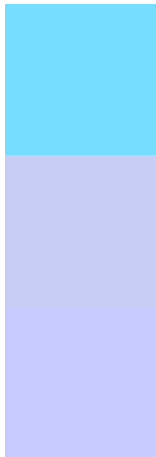


This preview shows how white text looks on a background with the Yxy color 62.7845, 0.2355, 0.2878.

# 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

62.7845, 0.2355, 0.2878

### Protanopia

62.3364, 0.2825, 0.2854

### Deuteranopia

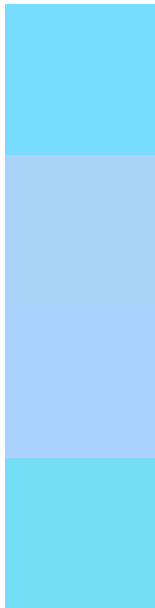
62.2112, 0.2764, 0.2720



## Tritanopia

62.6369, 0.2401, 0.3064

# Trichromacy



**Original Color**

62.7845, 0.2355, 0.2878

**Protanomaly**

61.9119, 0.2624, 0.2860

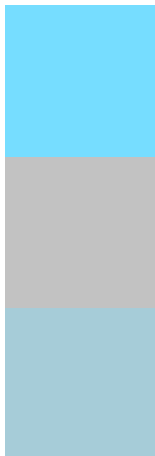
**Deuteranomaly**

61.8592, 0.2586, 0.2773

**Tritanomaly**

62.5412, 0.2384, 0.2992

# Monochromacy



**Original Color**

62.7845, 0.2355, 0.2878

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

56.2506, 0.2775, 0.3140

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7845, 0.2355, 0.2878 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(118, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 221, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7845, 0.2355, 0.2878 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(118, 221, 255) }
```

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

```
.border{ border-color:rgb(118, 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(118, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 221,  
255) }
```



# Background

The CSS property to change the background color of an element to `rgb(62.7845, 0.2355, 0.2878)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 221, 255) }
```

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

```
.background{ background-color: rgb(118,  
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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