

# Converting Colors

$Yxy(75.9838, 0.2660, 0.3068)$

Have a look what the booklet for  
Yxy(75.9838, 0.2660, 0.3068)  
contains.

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# Color

**Yxy(75.9838, 0.2660, 0.3068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1EBFF
RGB	177, 235, 255
RGB Percent	69%, 92%, 100%
CMY	0.3061, 0.0784, 0.0000
CMYK	0.31, 0.08, 0.00, 0.00
HSL	195°, 100%, 85%
HSV	195°, 31%, 100%
XYZ	65.8790, 75.9838, 105.8027
YIQ	219.9380, -40.9880, -6.0760

# Conversions

## Conversions Part 2

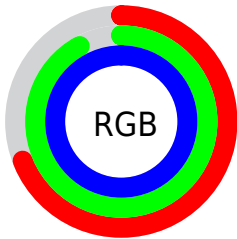
Format	Color
R <sub>Y</sub> B	177, 210, 255
Decimal	11660287
CIE Lab	89.85, -13.76, -15.59
CIE LCh	90, 20.799, 228.563
Yxy	75.9838, 0.2660, 0.3068
Android (android.graphics.Color)	4289850367 (0xFFB1EBFF)
YUV	219.9380, 17.2856, -37.6566
Hunter-Lab	87.1687, -17.6411, -10.9463

# Details

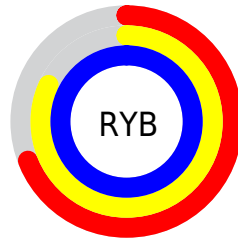
The Yxy color **75.9838, 0.2660, 0.3068** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3288, 0.3761, 0.3500**, and the grayscale version is **71.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **40.4550, 0.2558, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **69.5981, 0.2519, 0.2983**, and if you desaturate by 10%, it is **83.0717, 0.2809, 0.3147**.

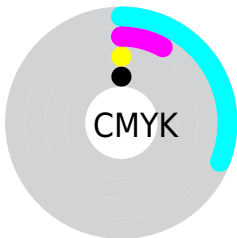
# Distribution



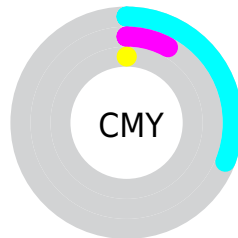
- Red (69%)
- Green (92%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9838, 0.2660, 0.3068 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 75.9838, 0.2660, 0.3068 by changing the saturation by 10% instead.




 75.9838, 0.2660,  
0.3068

 75.9838, 0.2660,  
0.3068


481.2922, 0.2871,  
0.3173

 56.4192, 0.2613,  
0.3044


 127.7040, 0.2732,  
0.3105

 40.5391, 0.2556,  
0.3013


160.6284, 0.2760,  
0.3119

 27.9592, 0.2485,  
0.2974


198.7749, 0.2785,  
0.3131

 18.2949, 0.2394,  
0.2923

242.5279, 0.2806,  
0.3142

 11.1619, 0.2273,  
0.2853

292.2717, 0.2825,  
0.3151

 6.1758, 0.2106,  
0.2752

348.3908, 0.2842,

 2.9523, 0.1863,

0.3159

0.2593

411.2695, 0.2857,  
0.3167

■ 1.1069, 0.1468,  
0.2320

■ 0.0000, 0.0000,  
0.0000

■ 75.9838, 0.2660,  
0.3068

■ 75.9838, 0.2660,  
0.3068

■ 69.5981, 0.2519,  
0.2983

■ 83.0717, 0.2809,  
0.3147

■ 63.8735, 0.2389,  
0.2893

■ 90.8836, 0.2963,  
0.3220

■ 58.7770, 0.2275,  
0.2799

■ 99.4505, 0.3118,  
0.3286

■ 54.2687, 0.2178,  
0.2703

■ 100.0000, 0.3127,  
0.3290

■ 50.3032, 0.2101,  
0.2606

■ 46.8264, 0.2044,  
0.2510

■ 43.9273, 0.2006,  
0.2420

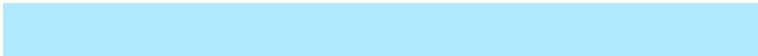
# Harmonies

## Analogous

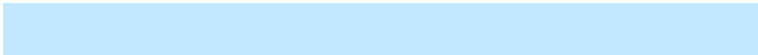
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9838, 0.2735, 0.3285



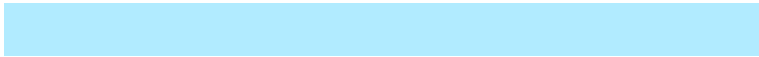
75.9838, 0.2660, 0.3068



75.9838, 0.2704, 0.2923

# Triad

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



75.9838, 0.2660, 0.3068



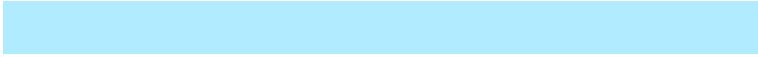
75.9838, 0.3336, 0.3079



75.9838, 0.3391, 0.3728

# Complementary

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



75.9838, 0.2660, 0.3068



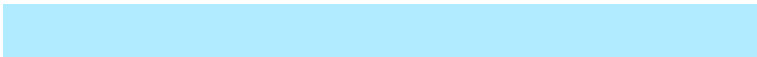
64.3288, 0.3761, 0.3500

# 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.



75.9838, 0.3564, 0.3650



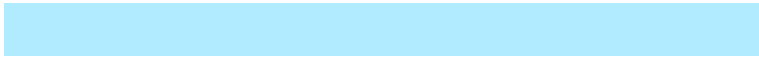
75.9838, 0.2660, 0.3068



75.9838, 0.3534, 0.3275

# Square

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



75.9838, 0.2660, 0.3068



75.9838, 0.3087, 0.2936



75.9838, 0.3618, 0.3482

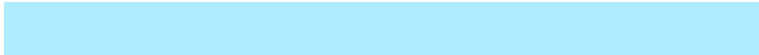


75.9838, 0.3152, 0.3681



# Rectangle

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



75.9838, 0.2660, 0.3068



75.9838, 0.2795, 0.2882



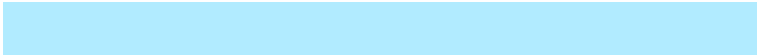
75.9838, 0.3618, 0.3482



75.9838, 0.3459, 0.3715

# Sweetspot

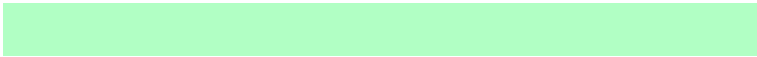
The Sweet Spot groups the original color and five complimentary colors.



75.9867, 0.2660, 0.3068



92.2129, 0.2988, 0.3231



84.8662, 0.2982, 0.3961



19.4804, 0.2965, 0.3221



0.0000, 0.0000, 0.0000

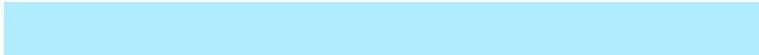


21.4041, 0.3127, 0.3290

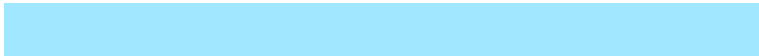


# Same Dimension

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



75.9867, 0.2660, 0.3068



71.8274, 0.2569, 0.3014



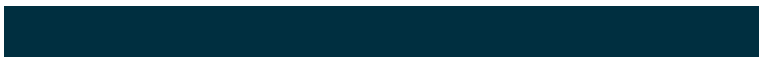
56.2451, 0.2608, 0.2619



19.6479, 0.2980, 0.3228



23.2058, 0.2010, 0.2436



2.4350, 0.2040, 0.2545



# Inverse Universe

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



58.6794, 0.3319, 0.2707



52.3885, 0.3371, 0.2584



84.1265, 0.3645, 0.3881



18.2163, 0.3177, 0.3115



13.0706, 0.3986, 0.1970

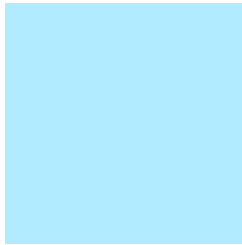


1.2904, 0.3878, 0.1910



# Previews

## White Background



This preview shows how the Yxy color 75.9838, 0.2660, 0.3068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

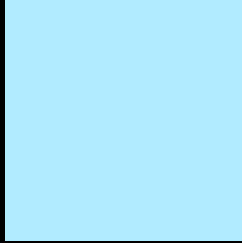
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9838, 0.2660, 0.3068 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 75.9838, 0.2660, 0.3068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9838, 0.2660, 0.3068.

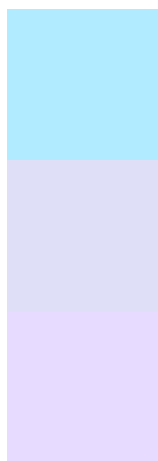


This preview shows how white text looks on a background with the Yxy color 75.9838, 0.2660, 0.3068.

# 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

75.9838, 0.2660, 0.3068

### Protanopia

75.7766, 0.2969, 0.3039

### Deuteranopia

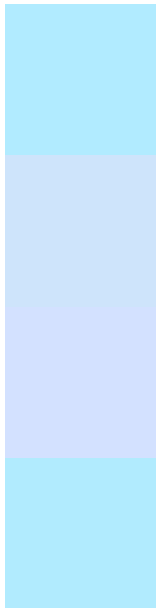
75.3953, 0.2979, 0.2932



## Tritanopia

75.9195, 0.2665, 0.3079

# Trichromacy



**Original Color**

75.9838, 0.2660, 0.3068

**Protanomaly**

75.5737, 0.2844, 0.3043

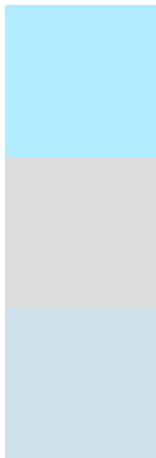
**Deuteranomaly**

74.9193, 0.2850, 0.2973

**Tritanomaly**

75.9195, 0.2665, 0.3079

# Monochromacy



**Original Color**

75.9838, 0.2660, 0.3068

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.5710, 0.2935, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9838, 0.2660, 0.3068 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(177, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 235, 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(177, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9838, 0.2660, 0.3068 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(177, 235, 255) }
```

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

```
.border{ border-color:rgb(177, 235, 255) }
```

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

Here you see how a box with a 4 pixel rgb(177, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9838, 0.2660, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 235, 255) }
```

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

```
.background{ background-color: rgb(177,  
235, 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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