

# Converting Colors

$Y_{xy}(85.2250, 0.2200, 0.2100)$

Have a look what the booklet for  
Yxy(85.2250, 0.2200, 0.2100)  
contains.

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# Color

**Yxy(75.7506, 0.2650, 0.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFEFFF
RGB	175, 235, 255
RGB Percent	69%, 92%, 100%
CMY	0.3134, 0.0785, 0.0000
CMYK	0.31, 0.08, 0.00, 0.00
HSL	195°, 100%, 84%
HSV	195°, 31%, 100%
XYZ	65.4513, 75.7506, 105.7841
YIQ	219.3400, -42.1800, -6.5000

# Conversions

## Conversions Part 2

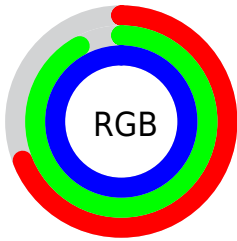
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 209, 255
Decimal	11529215
CIELab	89.74, -14.26, -15.77
CIElCh	90, 21.258, 227.880
Yxy	75.7506, 0.2650, 0.3067
Android (android.graphics.Color)	4289719295 (0xFFAFEBFF)
YUV	219.3400, 17.5804, -38.8862
Hunter-Lab	87.0348, -18.0767, -11.1380

# Details

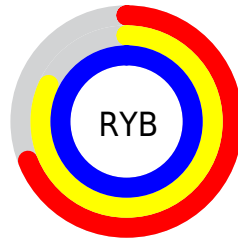
The Yxy color **75.7506, 0.2650, 0.3067** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4308, 0.3782, 0.3501**, and the grayscale version is **70.9963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **40.3105, 0.2546, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **69.4833, 0.2510, 0.2984**, and if you desaturate by 10%, it is **82.7115, 0.2798, 0.3145**.

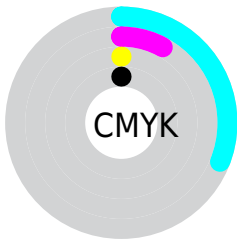
# Distribution



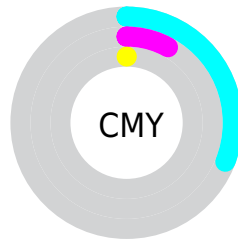
- Red (69%)
- Green (92%)
- Blue (100%)



- 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 75.7506, 0.2650, 0.3067 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 75.7506, 0.2650, 0.3067 by changing the saturation by 10% instead.




 75.7506, 0.2650,  
0.3067

 75.7506, 0.2650,  
0.3067


480.4935, 0.2865,  
0.3173

 56.2280, 0.2602,  
0.3042


 127.3743, 0.2724,  
0.3104

 40.3858, 0.2544,  
0.3012


160.2442, 0.2753,  
0.3118

 27.8395, 0.2471,  
0.2973


198.3320, 0.2778,  
0.3131

 18.2047, 0.2378,  
0.2921

242.0222, 0.2800,  
0.3141

 11.0970, 0.2255,  
0.2850

291.6990, 0.2819,  
0.3151

 6.1321, 0.2085,  
0.2747

347.7469, 0.2836,

 2.9256, 0.1837,

0.3159

0.2586

410.5503, 0.2852,  
0.3166

■ 1.0930, 0.1431,  
0.2310

■ 0.0000, 0.0000,  
0.0000

■ 75.7506, 0.2650,  
0.3067

■ 75.7506, 0.2650,  
0.3067

■ 69.4833, 0.2510,  
0.2984

■ 82.7115, 0.2798,  
0.3145

■ 63.8691, 0.2382,  
0.2895

■ 90.3885, 0.2951,  
0.3217

■ 58.8747, 0.2270,  
0.2804

■ 98.8126, 0.3106,  
0.3282

■ 54.4599, 0.2175,  
0.2710

■ 100.0000, 0.3127,  
0.3290

■ 50.5789, 0.2100,  
0.2615

■ 47.1767, 0.2045,  
0.2521

■ 44.5453, 0.2011,  
0.2440

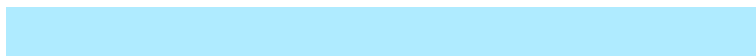
# Harmonies

## Analogous

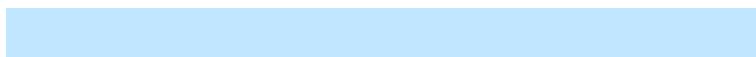
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7506, 0.2729, 0.3290



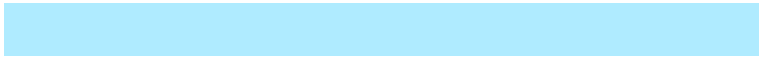
75.7506, 0.2650, 0.3067



75.7506, 0.2692, 0.2917

# Triad

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



75.7506, 0.2650, 0.3067



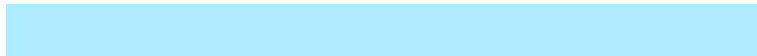
75.7506, 0.3336, 0.3070



75.7506, 0.3402, 0.3738

# Complementary

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



75.7506, 0.2650, 0.3067



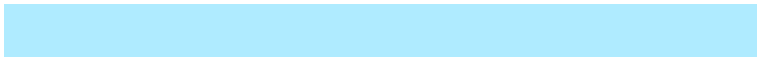
63.4308, 0.3782, 0.3501

# 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.



75.7506, 0.3577, 0.3655



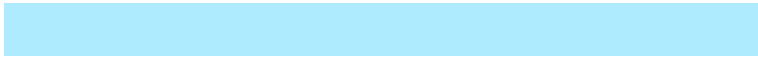
75.7506, 0.2650, 0.3067



75.7506, 0.3540, 0.3269

# Square

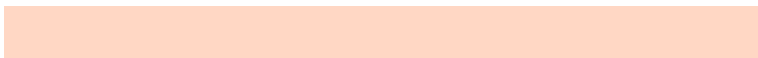
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



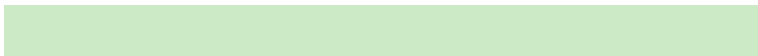
75.7506, 0.2650, 0.3067



75.7506, 0.3080, 0.2926



75.7506, 0.3629, 0.3481

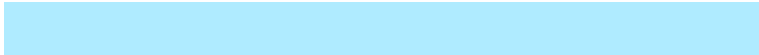


75.7506, 0.3158, 0.3693



# Rectangle

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



75.7506, 0.2650, 0.3067



75.7506, 0.2784, 0.2873



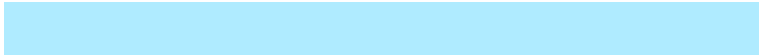
75.7506, 0.3629, 0.3481



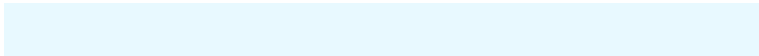
75.7506, 0.3471, 0.3723

# Sweetspot

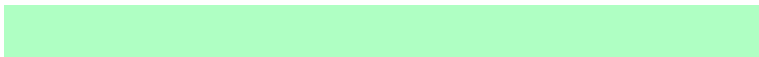
The Sweet Spot groups the original color and five complimentary colors.



75.7532, 0.2650, 0.3067



92.2921, 0.2988, 0.3232



84.5864, 0.2979, 0.3979



19.5000, 0.2965, 0.3223



0.0000, 0.0000, 0.0000

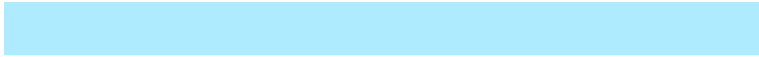


21.4041, 0.3127, 0.3290

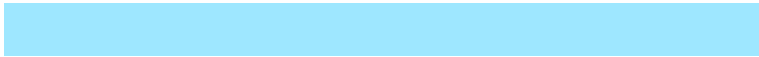


# Same Dimension

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



75.7532, 0.2650, 0.3067



71.5031, 0.2556, 0.3012



55.4012, 0.2594, 0.2600



19.6657, 0.2980, 0.3229



23.5256, 0.2016, 0.2456



2.4638, 0.2045, 0.2562



# Inverse Universe

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



57.9493, 0.3321, 0.2689



51.5024, 0.3374, 0.2560



83.7868, 0.3659, 0.3895



18.2181, 0.3177, 0.3114



13.1029, 0.3966, 0.1959

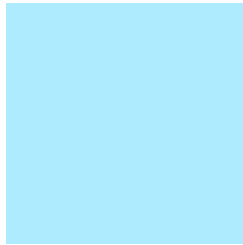


1.2933, 0.3861, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 75.7506, 0.2650, 0.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

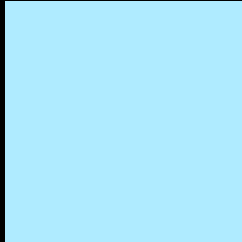
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7506, 0.2650, 0.3067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

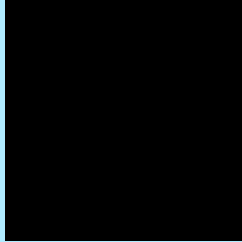
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7506, 0.2650, 0.3067**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7506, 0.2650, 0.3067.

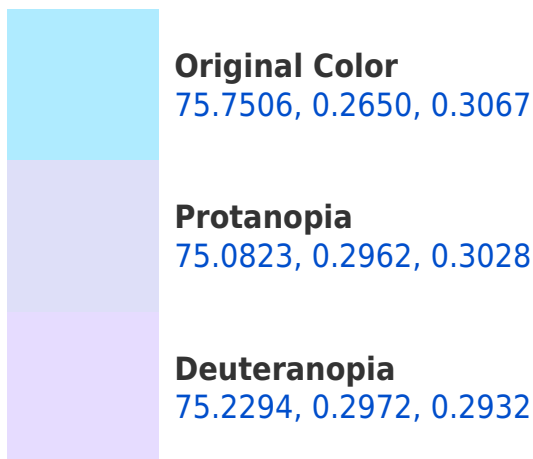


This preview shows how white text looks on a background with the Yxy color 75.7506, 0.2650, 0.3067.

# 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

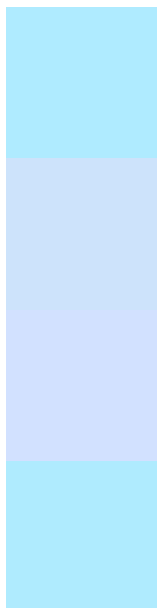




## Tritanopia

75.6864, 0.2655, 0.3078

# Trichromacy



## Original Color

75.7506, 0.2650, 0.3067

## Protanomaly

74.8823, 0.2837, 0.3032

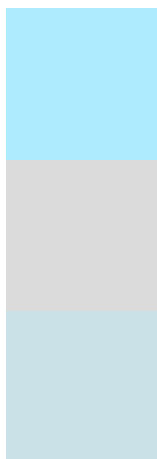
## Deuteranomaly

74.7721, 0.2844, 0.2972

## Tritanomaly

75.6864, 0.2655, 0.3078

# Monochromacy



## Original Color

75.7506, 0.2650, 0.3067

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.3731, 0.2934, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7506, 0.2650, 0.3067 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(175, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7506, 0.2650, 0.3067 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(175, 235, 255) }
```

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

```
.border{ border-color:rgb(175, 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(175, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7506, 0.2650, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 235, 255) }
```

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

```
.background{ background-color: rgb(175,  
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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