

# Converting Colors

$Y_{xy}(75.9735, 0.2676, 0.3090)$

Have a look what the booklet for  
Yxy(75.9735, 0.2676, 0.3090)  
contains.

<b>Yxy(75.9735, 0.2676, 0.3090)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(75.9735, 0.2676, 0.3090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EBFD
RGB	178, 235, 253
RGB Percent	70%, 92%, 99%
CMY	0.3019, 0.0784, 0.0080
CMYK	0.30, 0.07, 0.00, 0.01
HSL	194°, 95%, 85%
HSV	194°, 30%, 99%
XYZ	65.7945, 75.9735, 104.1009
YIQ	220.0090, -39.7500, -6.4860

# Conversions

## Conversions Part 2

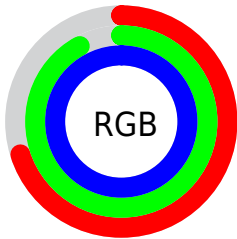
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 210, 253
Decimal	11725821
CIELab	89.85, -13.93, -14.53
CIELCh	90, 20.134, 226.207
Yxy	75.9735, 0.2676, 0.3090
Android (android.graphics.Color)	4289915901 (0xFFB2EBFD)
YUV	220.0090, 16.2646, -36.8419
Hunter-Lab	87.1628, -17.7947, -9.7977

# Details

The Yxy color **75.9735, 0.2676, 0.3090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5581, 0.3738, 0.3480**, and the grayscale version is **71.4833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **40.4367, 0.2577, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **69.8423, 0.2536, 0.3011**, and if you desaturate by 10%, it is **82.7808, 0.2825, 0.3163**.

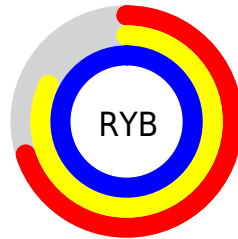
# Distribution



Red (70%)

Green (92%)

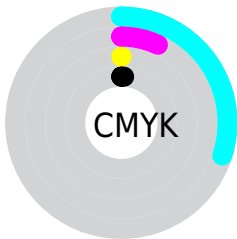
Blue (99%)



Red (70%)

Yellow (82%)

Blue (99%)

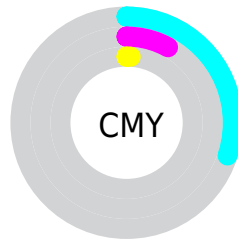


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (1%)



Cyan (30%)

Magenta (8%)


Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9735, 0.2676, 0.3090 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 75.9735, 0.2676, 0.3090 by changing the saturation by 10% instead.



 75.9735, 0.2676,  
0.3090

 75.9735, 0.2676,  
0.3090


481.2570, 0.2880,  
0.3185

 56.4108, 0.2631,  
0.3068

 127.6894, 0.2746,  
0.3123

 40.5324, 0.2575,  
0.3040


160.6115, 0.2773,  
0.3136

 27.9539, 0.2506,  
0.3005


198.7554, 0.2797,  
0.3147

 18.2909, 0.2418,  
0.2959

242.5055, 0.2818,  
0.3157

 11.1590, 0.2301,  
0.2895

292.2464, 0.2836,  
0.3165

 6.1739, 0.2138,  
0.2801

348.3623, 0.2852,

 2.9511, 0.1900,

0.3173

0.2654

411.2377, 0.2867,  
0.3179

■ 1.1063, 0.1509,  
0.2399

■ 0.0000, 0.0000,  
0.0000

■ 75.9735, 0.2676,  
0.3090

■ 75.9735, 0.2676,  
0.3090

■ 69.8423, 0.2536,  
0.3011

■ 82.7808, 0.2825,  
0.3163

■ 64.3466, 0.2407,  
0.2928

■ 90.2843, 0.2978,  
0.3231

■ 59.4550, 0.2293,  
0.2841

■ 98.5144, 0.3133,  
0.3292

■ 55.1290, 0.2196,  
0.2751

■ 99.8701, 0.3139,  
0.3309

■ 51.3251, 0.2119,  
0.2661

■ 47.9915, 0.2063,  
0.2572

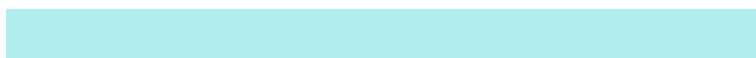
■ 45.0472, 0.2024,  
0.2483

■ 44.9438, 0.2022,  
0.2480

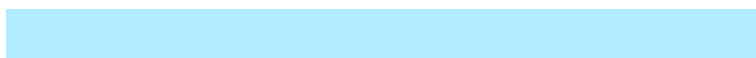
# Harmonies

## Analogous

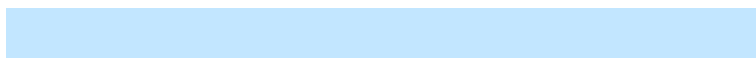
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9735, 0.2757, 0.3303



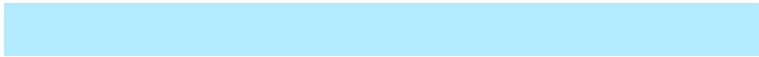
75.9735, 0.2676, 0.3090



75.9735, 0.2709, 0.2943

# Triad

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



75.9735, 0.2676, 0.3090



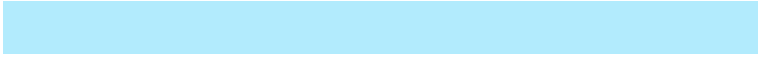
75.9735, 0.3312, 0.3072



75.9735, 0.3399, 0.3712

# Complementary

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



75.9735, 0.2676, 0.3090



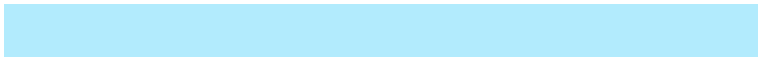
63.5581, 0.3738, 0.3480

# 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.



75.9735, 0.3559, 0.3629



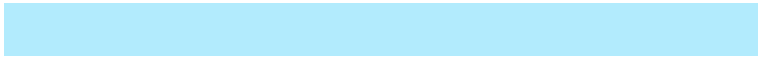
75.9735, 0.2676, 0.3090



75.9735, 0.3509, 0.3260

# Square

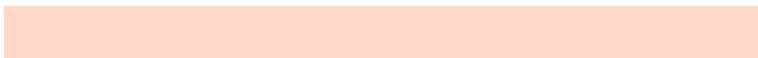
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



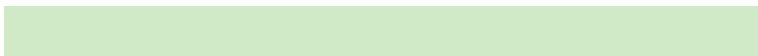
75.9735, 0.2676, 0.3090



75.9735, 0.3069, 0.2939



75.9735, 0.3601, 0.3461

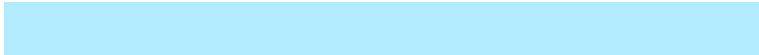


75.9735, 0.3170, 0.3676



# Rectangle

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



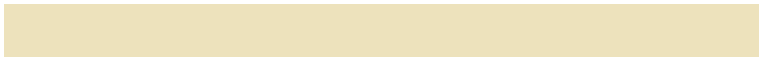
75.9735, 0.2676, 0.3090



75.9735, 0.2793, 0.2897



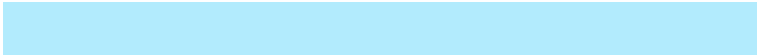
75.9735, 0.3601, 0.3461



75.9735, 0.3463, 0.3696

# Sweetspot

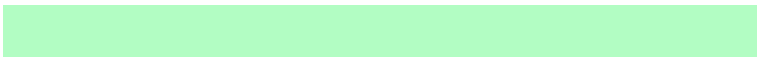
The Sweet Spot groups the original color and five complimentary colors.



75.9765, 0.2676, 0.3090



92.4453, 0.2988, 0.3235



83.6614, 0.2993, 0.3950



19.5379, 0.2965, 0.3226



0.0000, 0.0000, 0.0000

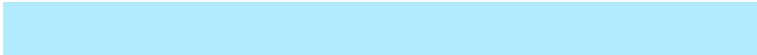


21.4041, 0.3127, 0.3290

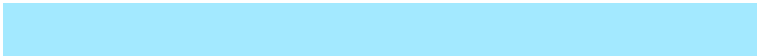


# Same Dimension

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



75.9765, 0.2676, 0.3090



73.3063, 0.2585, 0.3040



56.9419, 0.2628, 0.2659



19.7003, 0.2980, 0.3232



24.1519, 0.2026, 0.2494



2.5201, 0.2054, 0.2596



# Inverse Universe

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



58.7186, 0.3302, 0.2715



53.4087, 0.3349, 0.2590



82.3591, 0.3630, 0.3849



18.2216, 0.3175, 0.3111



13.1661, 0.3928, 0.1938

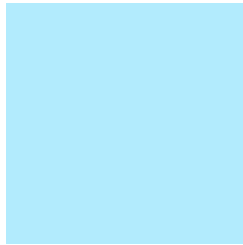


1.2990, 0.3828, 0.1883



# Previews

## White Background



This preview shows how the Yxy color 75.9735, 0.2676, 0.3090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

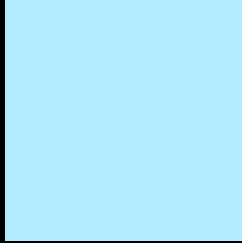
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9735, 0.2676, 0.3090 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 75.9735, 0.2676, 0.3090**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9735, 0.2676, 0.3090.

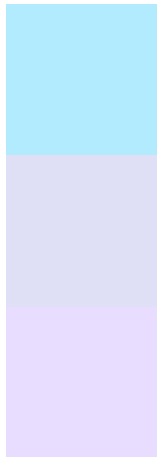


This preview shows how white text looks on a background with the Yxy color 75.9735, 0.2676, 0.3090.

# 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

75.9735, 0.2676, 0.3090

### Protanopia

75.6531, 0.2981, 0.3059

### Deuteranopia

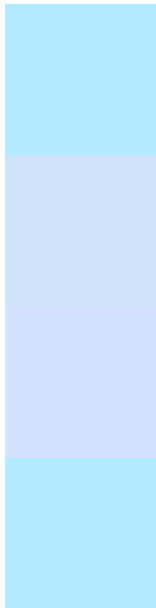
75.5622, 0.2986, 0.2933



## Tritanopia

76.0374, 0.2671, 0.3079

# Trichromacy



**Original Color**

75.9735, 0.2676, 0.3090

**Protanomaly**

75.5918, 0.2861, 0.3065

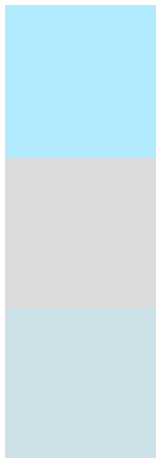
**Deuteranomaly**

75.0032, 0.2862, 0.2983

**Tritanomaly**

76.0374, 0.2671, 0.3079

# Monochromacy



**Original Color**

75.9735, 0.2676, 0.3090

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.6558, 0.2948, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9735, 0.2676, 0.3090 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(178, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 253)  
}
```

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(178, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9735, 0.2676, 0.3090 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(178, 235, 253) }
```

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

```
.border{ border-color:rgb(178, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(178, 235,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9735, 0.2676, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 253) }
```

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

```
.background{ background-color: rgb(178,  
235, 253) }
```

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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