

# Converting Colors

$Y_{xy}(75.0433, 0.2653, 0.3051)$

Have a look what the booklet for  
Yxy(75.0433, 0.2653, 0.3051)  
contains.

<b>Yxy(75.2957, 0.2654, 0.3056)</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(75.2957, 0.2654, 0.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0EAFB
RGB	176, 234, 255
RGB Percent	69%, 92%, 100%
CMY	0.3095, 0.0824, 0.0000
CMYK	0.31, 0.08, 0.00, 0.00
HSL	196°, 100%, 85%
HSV	196°, 31%, 100%
XYZ	65.3910, 75.2957, 105.6998
YIQ	219.0520, -41.3090, -5.7650

# Conversions

## Conversions Part 2

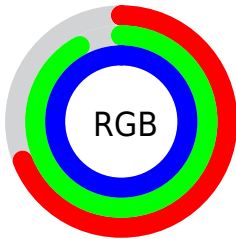
Format	Color
R <sub>Y</sub> B	176, 209, 255
Decimal	11594495
CIE Lab	89.53, -13.48, -16.08
CIE LCh	90, 20.983, 230.031
Yxy	75.2957, 0.2654, 0.3056
Android (android.graphics.Color)	4289784575 (0xFFB0EAF5)
YUV	219.0520, 17.7224, -37.7566
Hunter-Lab	86.7731, -17.3379, -11.4810

# Details

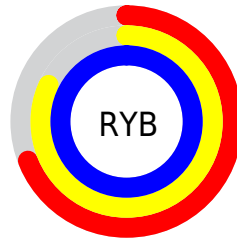
The Yxy color **75.2957, 0.2654, 0.3056** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3723, 0.3767, 0.3511**, and the grayscale version is **70.7843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **39.9830, 0.2550, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **68.8061, 0.2512, 0.2967**, and if you desaturate by 10%, it is **82.4969, 0.2803, 0.3139**.

# Distribution



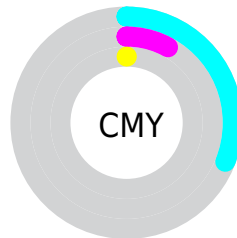
- Red (69%)
- Green (92%)
- Blue (100%)



- 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 75.2957, 0.2654, 0.3056 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 75.2957, 0.2654, 0.3056 by changing the saturation by 10% instead.




 75.2957, 0.2654,  
0.3056

 75.2957, 0.2654,  
0.3056

478.9333, 0.2868,  
0.3167

 55.8552, 0.2606,  
0.3030


 126.7308, 0.2727,  
0.3095

 40.0868, 0.2548,  
0.2998

159.4943, 0.2756,  
0.3110

 27.6062, 0.2476,  
0.2957

197.4674, 0.2781,  
0.3123

 18.0290, 0.2383,  
0.2904

241.0347, 0.2803,  
0.3134

 10.9708, 0.2261,  
0.2830

290.5806, 0.2822,  
0.3144

 6.0472, 0.2091,  
0.2723

346.4894, 0.2839,

 2.8738, 0.1843,

0.3152

0.2556

409.1455, 0.2854,  
0.3160

■ 1.0662, 0.1435,  
0.2271

■ 0.0000, 0.0000,  
0.0000

■ 75.2957, 0.2654,  
0.3056

■ 75.2957, 0.2654,  
0.3056

■ 68.8061, 0.2512,  
0.2967

■ 82.4969, 0.2803,  
0.3139

■ 62.9875, 0.2382,  
0.2873

■ 90.4325, 0.2957,  
0.3215

■ 57.8064, 0.2267,  
0.2775

■ 99.1337, 0.3112,  
0.3284

■ 53.2226, 0.2169,  
0.2675

■ 100.0000, 0.3127,  
0.3290

■ 49.1903, 0.2091,  
0.2573

■ 45.6545, 0.2033,  
0.2473

■ 42.8060, 0.1995,  
0.2383

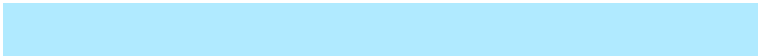
# Harmonies

## Analogous

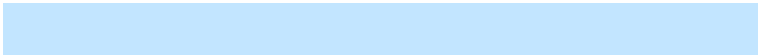
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2957, 0.2724, 0.3273



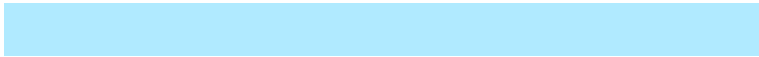
75.2957, 0.2654, 0.3056



75.2957, 0.2704, 0.2914

# Triad

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



75.2957, 0.2654, 0.3056



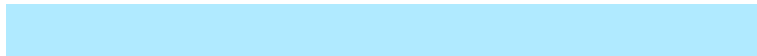
75.2957, 0.3350, 0.3085



75.2957, 0.3384, 0.3734

# Complementary

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



75.2957, 0.2654, 0.3056



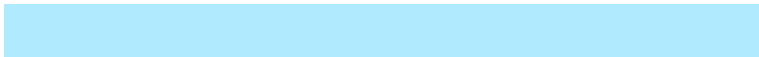
64.3723, 0.3767, 0.3511

# 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.



75.2957, 0.3563, 0.3661



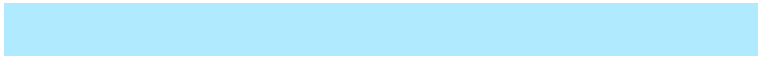
75.2957, 0.2654, 0.3056



75.2957, 0.3546, 0.3285

# Square

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



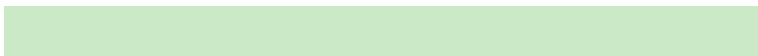
75.2957, 0.2654, 0.3056



75.2957, 0.3099, 0.2938



75.2957, 0.3625, 0.3494

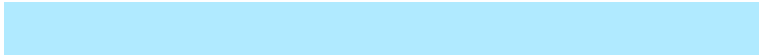


75.2957, 0.3140, 0.3680



# Rectangle

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



75.2957, 0.2654, 0.3056



75.2957, 0.2800, 0.2876



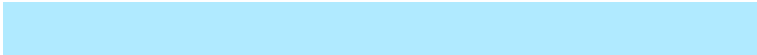
75.2957, 0.3625, 0.3494



75.2957, 0.3454, 0.3723

# Sweetspot

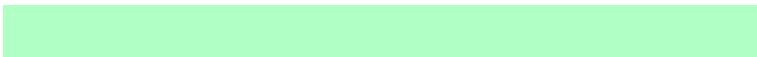
The Sweet Spot groups the original color and five complimentary colors.



75.2982, 0.2654, 0.3056



92.0673, 0.2988, 0.3229



84.7364, 0.2980, 0.3969



19.4444, 0.2965, 0.3218



0.0000, 0.0000, 0.0000

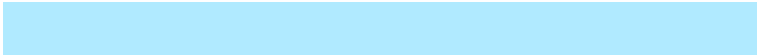


21.4041, 0.3127, 0.3290

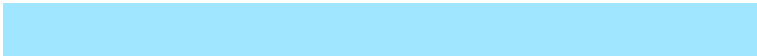


# Same Dimension

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



75.2982, 0.2654, 0.3056



71.2874, 0.2567, 0.3003



55.8538, 0.2602, 0.2610



19.6150, 0.2980, 0.3225



22.6254, 0.2000, 0.2400



2.3825, 0.2032, 0.2513



# Inverse Universe

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



58.2820, 0.3328, 0.2708



52.3340, 0.3379, 0.2593



83.9692, 0.3651, 0.3887



18.2129, 0.3179, 0.3117



13.0120, 0.4024, 0.1990

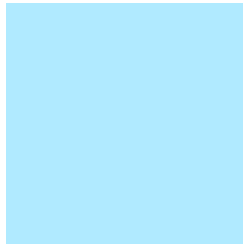


1.2851, 0.3909, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 75.2957, 0.2654, 0.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

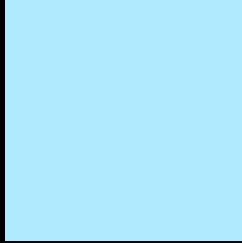
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2957, 0.2654, 0.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

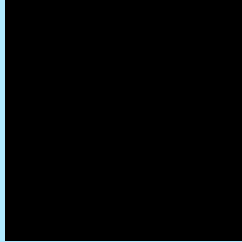
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2957, 0.2654, 0.3056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2957, 0.2654, 0.3056.

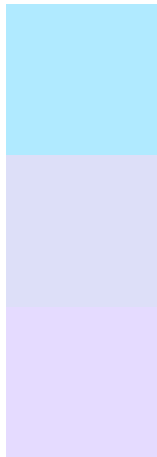


This preview shows how white text looks on a background with the Yxy color 75.2957, 0.2654, 0.3056.

# 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

75.2957, 0.2654, 0.3056

### Protanopia

74.9248, 0.2956, 0.3027

### Deuteranopia

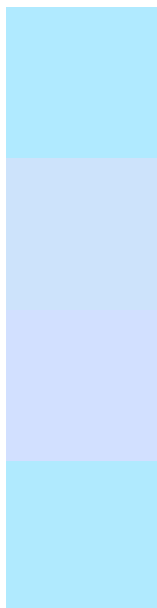
74.5410, 0.2966, 0.2920



## Tritanopia

75.1676, 0.2664, 0.3078

# Trichromacy



## Original Color

75.2957, 0.2654, 0.3056

## Protanomaly

74.8823, 0.2837, 0.3032

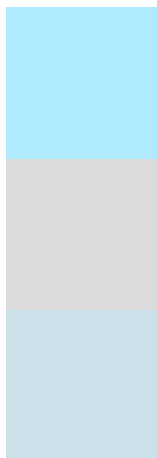
## Deuteranomaly

74.2329, 0.2843, 0.2961

## Tritanomaly

75.2315, 0.2659, 0.3067

# Monochromacy



## Original Color

75.2957, 0.2654, 0.3056

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.8340, 0.2934, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2957, 0.2654, 0.3056 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(176, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 234, 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(176, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2957, 0.2654, 0.3056 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(176, 234, 255) }
```

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

```
.border{ border-color:rgb(176, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2957, 0.2654, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 234, 255) }
```

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

```
.background{ background-color: rgb(176,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor