

# Converting Colors

$Yxy(78.4833, 0.2520, 0.2727)$

Have a look what the booklet for  
Yxy(78.4833, 0.2520, 0.2727)  
contains.

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# Color

**Yxy(75.8894, 0.2681, 0.3058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EAFF
RGB	181, 234, 255
RGB Percent	71%, 92%, 100%
CMY	0.2901, 0.0824, 0.0000
CMYK	0.29, 0.08, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 29%, 100%
XYZ	66.5335, 75.8894, 105.7439
YIQ	220.5470, -38.3290, -4.7050

# Conversions

## Conversions Part 2

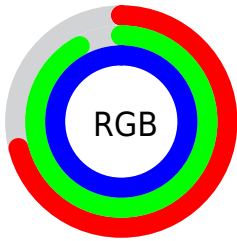
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 212, 255
Decimal	11922175
CIE <sub>Lab</sub>	89.81, -12.12, -15.63
CIE <sub>LCh</sub>	90, 19.777, 232.222
Yxy	75.8894, 0.2681, 0.3058
Android (android.graphics.Color)	4290112255 (0xFFB5EAF <sub>F</sub> )
YUV	220.5470, 16.9853, -34.6827
Hunter-Lab	87.1145, -16.1215, -10.9889

# Details

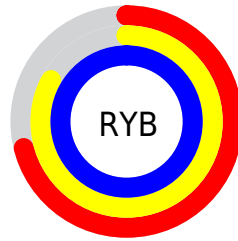
The Yxy color **75.8894, 0.2681, 0.3058** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8525, 0.3712, 0.3510**, and the grayscale version is **71.8773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **40.3536, 0.2582, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **69.0480, 0.2536, 0.2964**, and if you desaturate by 10%, it is **83.4694, 0.2833, 0.3145**.

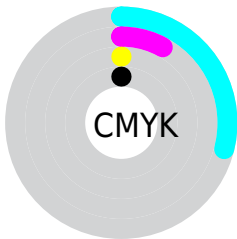
# Distribution



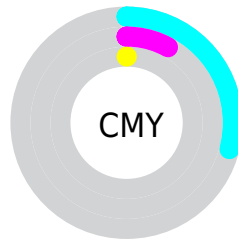
- Red (71%)
- Green (92%)
- Blue (100%)



- Red (71%)
- Yellow (83%)
- Blue (100%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8894, 0.2681, 0.3058 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 75.8894, 0.2681, 0.3058 by changing the saturation by 10% instead.



 75.8894, 0.2681,  
0.3058

 75.8894, 0.2681,  
0.3058


480.9690, 0.2883,  
0.3167

 56.3418, 0.2636,  
0.3033


 127.5706, 0.2750,  
0.3096

 40.4770, 0.2581,  
0.3001


160.4729, 0.2777,  
0.3111

 27.9107, 0.2513,  
0.2961


198.5957, 0.2801,  
0.3124

 18.2583, 0.2426,  
0.2909

242.3232, 0.2821,  
0.3135

 11.1356, 0.2310,  
0.2837

292.0399, 0.2839,  
0.3144

 6.1581, 0.2149,  
0.2734

348.1302, 0.2855,

 2.9415, 0.1914,

0.3153

0.2573

410.9784, 0.2870,  
0.3160

1.1013, 0.1535,  
0.2296

0.0000, 0.0000,  
0.0000

75.8894, 0.2681,  
0.3058

75.8894, 0.2681,  
0.3058

69.0480, 0.2536,  
0.2964

83.4694, 0.2833,  
0.3145

62.9033, 0.2401,  
0.2864

91.8094, 0.2987,  
0.3225

57.4227, 0.2280,  
0.2760

99.9997, 0.3127,  
0.3290

52.5664, 0.2176,  
0.2653

■ 48.2894, 0.2091,  
0.2544

■ 44.5388, 0.2027,  
0.2436

■ 41.2372, 0.1982,  
0.2329

■ 40.9237, 0.1978,  
0.2319

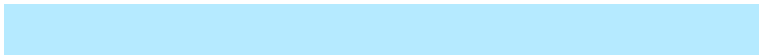
# Harmonies

## Analogous

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



75.8894, 0.2739, 0.3259



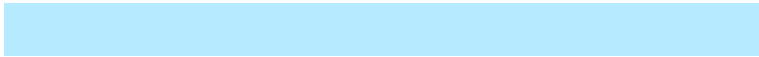
75.8894, 0.2681, 0.3058



75.8894, 0.2736, 0.2930

# Triad

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



75.8894, 0.2681, 0.3058



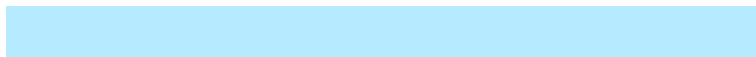
75.8894, 0.3353, 0.3110



75.8894, 0.3353, 0.3707

# Complementary

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



75.8894, 0.2681, 0.3058



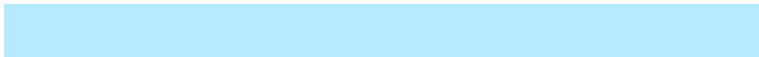
66.8525, 0.3712, 0.3510

# 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.



75.8894, 0.3528, 0.3647



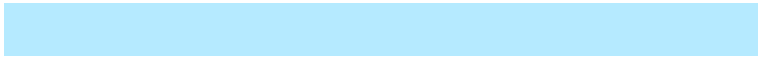
75.8894, 0.2681, 0.3058



75.8894, 0.3530, 0.3300

# Square

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



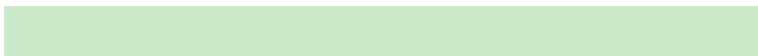
75.8894, 0.2681, 0.3058



75.8894, 0.3119, 0.2966



75.8894, 0.3595, 0.3496

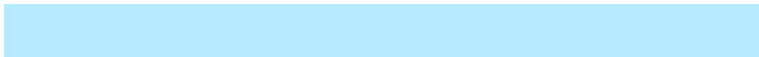


75.8894, 0.3122, 0.3647



# Rectangle

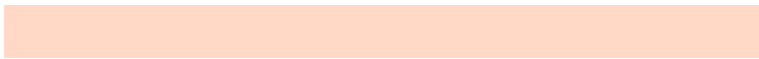
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8894, 0.2681, 0.3058



75.8894, 0.2832, 0.2899



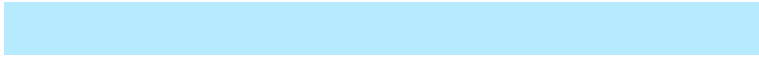
75.8894, 0.3595, 0.3496



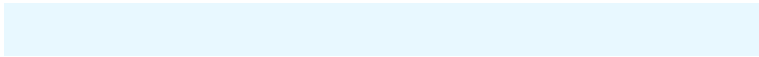
75.8894, 0.3421, 0.3700

# Sweetspot

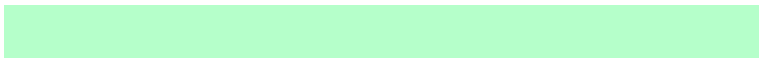
The Sweet Spot groups the original color and five complimentary colors.



75.8924, 0.2681, 0.3058



91.8174, 0.2987, 0.3225



85.6087, 0.2976, 0.3891



19.3826, 0.2965, 0.3214



0.0000, 0.0000, 0.0000

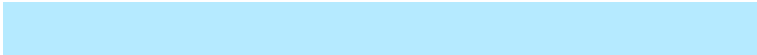


21.4041, 0.3127, 0.3290

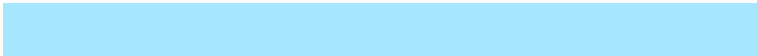


# Same Dimension

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



75.8924, 0.2681, 0.3058



71.7061, 0.2593, 0.3003



57.0072, 0.2635, 0.2631



19.5586, 0.2980, 0.3221



21.6514, 0.1982, 0.2336



2.2942, 0.2016, 0.2458



# Inverse Universe

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



60.2614, 0.3323, 0.2758



54.1359, 0.3375, 0.2646



86.3124, 0.3609, 0.3872



18.2073, 0.3182, 0.3121



12.9137, 0.4088, 0.2026

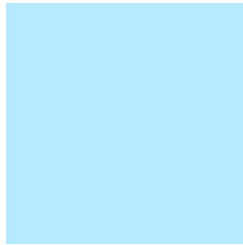


1.2761, 0.3964, 0.1957



# Previews

## White Background



This preview shows how the Yxy color 75.8894, 0.2681, 0.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

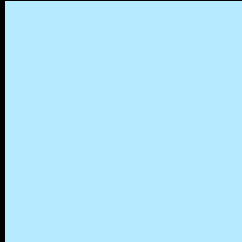
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8894, 0.2681, 0.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

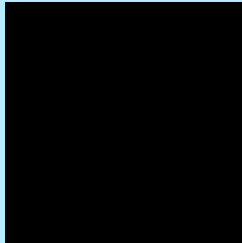
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8894, 0.2681, 0.3058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8894, 0.2681, 0.3058.

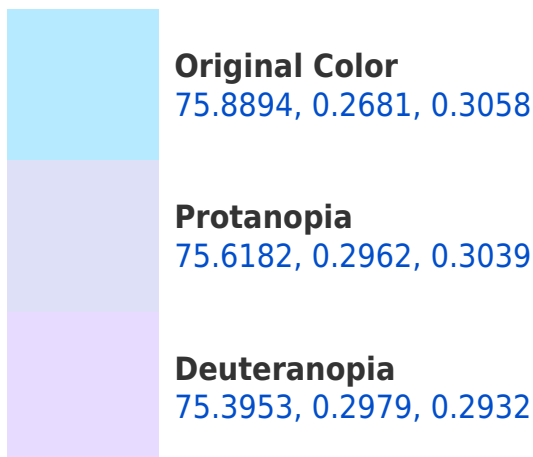


This preview shows how white text looks on a background with the Yxy color 75.8894, 0.2681, 0.3058.

# 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

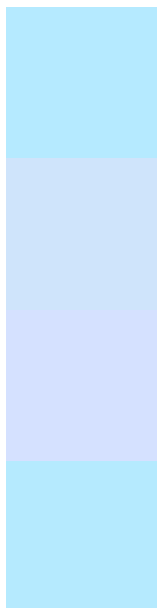




## Tritanopia

75.7612, 0.2691, 0.3079

# Trichromacy



**Original Color**

75.8894, 0.2681, 0.3058

**Protanomaly**

75.7172, 0.2850, 0.3044

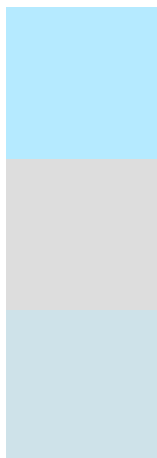
**Deuteranomaly**

75.2166, 0.2863, 0.2974

**Tritanomaly**

75.8252, 0.2686, 0.3069

# Monochromacy



**Original Color**

75.8894, 0.2681, 0.3058

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.3977, 0.2948, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8894, 0.2681, 0.3058 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(181, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8894, 0.2681, 0.3058 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(181, 234, 255) }
```

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

```
.border{ border-color:rgb(181, 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(181, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8894, 0.2681, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 234, 255) }
```

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

```
.background{ background-color: rgb(181,  
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](#).

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