

# Converting Colors

$Yxy(81.3360, 0.2447, 0.2501)$

Have a look what the booklet for  
Yxy(81.3360, 0.2447, 0.2501)  
contains.

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# Color

**Yxy(76.8845, 0.2725, 0.3061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDEAFF
RGB	189, 234, 255
RGB Percent	74%, 92%, 100%
CMY	0.2591, 0.0823, 0.0000
CMYK	0.26, 0.08, 0.00, 0.00
HSL	199°, 100%, 87%
HSV	199°, 26%, 100%
XYZ	68.4450, 76.8845, 105.8449
YIQ	222.9390, -33.5610, -3.0090

# Conversions

## Conversions Part 2

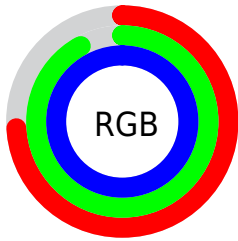
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 216, 255
Decimal	12446463
CIELab	90.27, -9.89, -14.90
CIELCh	90, 17.884, 236.431
Yxy	76.8845, 0.2725, 0.3061
Android (android.graphics.Color)	4290636543 (0xFFBDEAFF)
YUV	222.9390, 15.8061, -29.7645
Hunter-Lab	87.6838, -14.1115, -10.1915

# Details

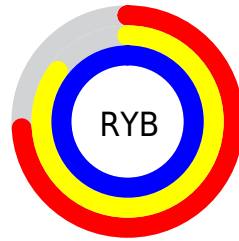
The Yxy color **76.8845, 0.2725, 0.3061** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9751, 0.3629, 0.3508**, and the grayscale version is **73.6416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **40.9863, 0.2636, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **69.4039, 0.2575, 0.2958**, and if you desaturate by 10%, it is **85.1542, 0.2880, 0.3156**.

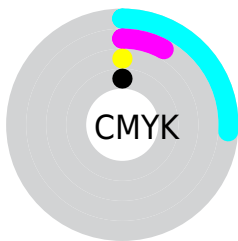
# Distribution



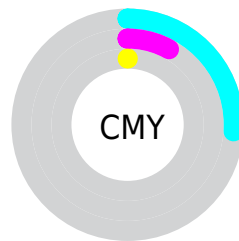
- Red (74%)
- Green (92%)
- Blue (100%)



- Red (74%)
- Yellow (85%)
- Blue (100%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8845, 0.2725, 0.3061 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 76.8845, 0.2725, 0.3061 by changing the saturation by 10% instead.



76.8845, 0.2725,  
0.3061

76.8845, 0.2725,  
0.3061

484.3701, 0.2907,  
0.3168

57.1581, 0.2685,  
0.3036

128.9764, 0.2787,  
0.3098

41.1322, 0.2635,  
0.3006

162.1107, 0.2812,  
0.3113

28.4224, 0.2574,  
0.2968

200.4831, 0.2833,  
0.3125

18.6443, 0.2495,  
0.2917

244.4780, 0.2851,  
0.3136

11.4135, 0.2390,  
0.2849

294.4797, 0.2868,  
0.3145

6.3457, 0.2244,  
0.2750

350.8727, 0.2882,

3.0564, 0.2030,

0.3154

0.2598

414.0414, 0.2895,  
0.3161

1.1613, 0.1689,  
0.2337

0.0297, 0.0000,  
0.0268

76.8845, 0.2725,  
0.3061

76.8845, 0.2725,  
0.3061

69.4039, 0.2575,  
0.2958

85.1542, 0.2880,  
0.3156

62.6717, 0.2433,  
0.2847

94.2357, 0.3036,  
0.3243

56.6550, 0.2303,  
0.2731

100.0000, 0.3127,  
0.3290

51.3145, 0.2188,  
0.2611

■ 46.6063, 0.2092,  
0.2488

■ 42.4793, 0.2017,  
0.2365

■ 38.8709, 0.1962,  
0.2245

■ 37.5088, 0.1943,  
0.2196

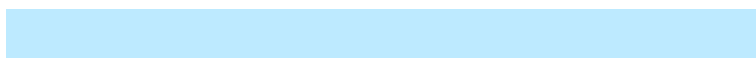
# Harmonies

## Analogous

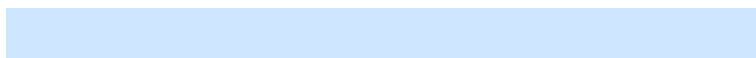
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8845, 0.2763, 0.3235



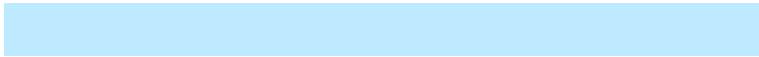
76.8845, 0.2725, 0.3061



76.8845, 0.2789, 0.2956

# Triad

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



76.8845, 0.2725, 0.3061



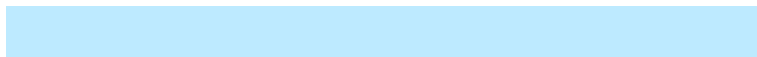
76.8845, 0.3358, 0.3150



76.8845, 0.3304, 0.3664

# Complementary

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



76.8845, 0.2725, 0.3061



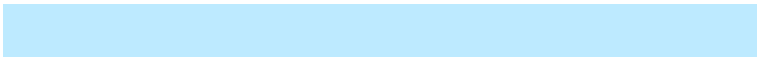
70.9751, 0.3629, 0.3508

# 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.



76.8845, 0.3471, 0.3626



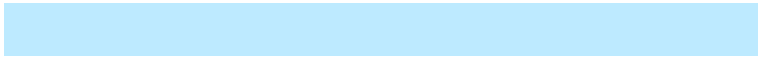
76.8845, 0.2725, 0.3061



76.8845, 0.3504, 0.3326

# Square

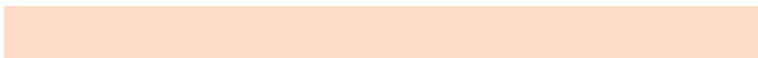
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8845, 0.2725, 0.3061



76.8845, 0.3150, 0.3011



76.8845, 0.3546, 0.3499

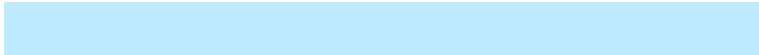


76.8845, 0.3093, 0.3594



# Rectangle

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



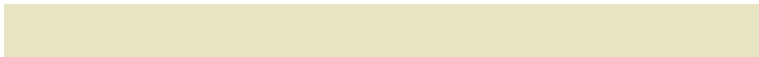
76.8845, 0.2725, 0.3061



76.8845, 0.2884, 0.2936



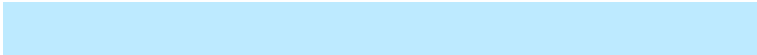
76.8845, 0.3546, 0.3499



76.8845, 0.3367, 0.3663

# Sweetspot

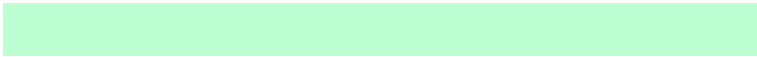
The Sweet Spot groups the original color and five complimentary colors.



76.8872, 0.2725, 0.3061



92.2713, 0.3003, 0.3225



86.9745, 0.2979, 0.3792



19.4517, 0.2980, 0.3213



0.0000, 0.0000, 0.0000

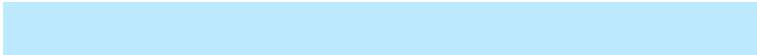


21.4041, 0.3127, 0.3290

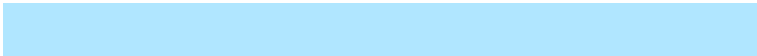


# Same Dimension

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



76.8872, 0.2725, 0.3061



72.9841, 0.2648, 0.3010



59.8196, 0.2690, 0.2686



19.4517, 0.2980, 0.3213



19.8799, 0.1949, 0.2216



2.1325, 0.1987, 0.2353



# Inverse Universe

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



63.5639, 0.3315, 0.2837



57.9988, 0.3362, 0.2745



88.9637, 0.3548, 0.3829



18.1965, 0.3187, 0.3129



12.7348, 0.4215, 0.2096

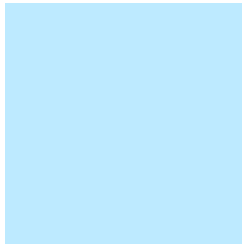


1.2598, 0.4071, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 76.8845, 0.2725, 0.3061 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

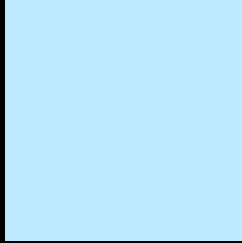
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8845, 0.2725, 0.3061 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 76.8845, 0.2725, 0.3061**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8845, 0.2725, 0.3061.

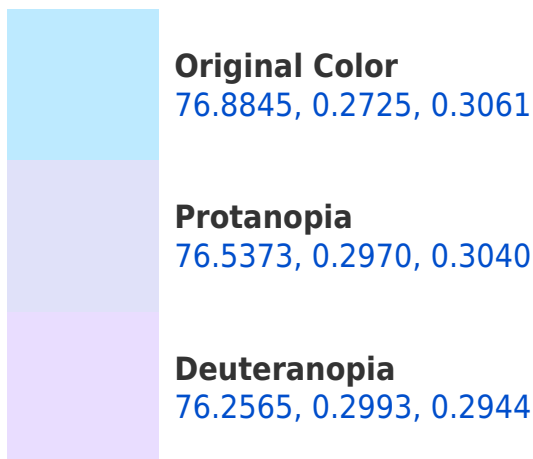


This preview shows how white text looks on a background with the Yxy color 76.8845, 0.2725, 0.3061.

# 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

76.7563, 0.2736, 0.3082

# Trichromacy



**Original Color**

76.8845, 0.2725, 0.3061

**Protanomaly**

76.3007, 0.2875, 0.3046

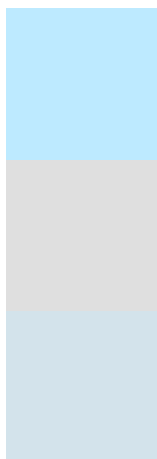
**Deuteranomaly**

76.3644, 0.2889, 0.2987

**Tritanomaly**

76.8202, 0.2731, 0.3071

# Monochromacy



**Original Color**

76.8845, 0.2725, 0.3061

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

74.7852, 0.2969, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8845, 0.2725, 0.3061 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(189, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8845, 0.2725, 0.3061 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(189, 234, 255) }
```

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

```
.border{ border-color:rgb(189, 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(189, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8845, 0.2725, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 234, 255) }
```

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

```
.background{ background-color: rgb(189,  
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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