

# Converting Colors

$Yxy(76.7043, 0.2683, 0.3074)$

Have a look what the booklet for  
Yxy(76.7043, 0.2683, 0.3074)  
contains.

<b>Yxy(76.4604, 0.2682, 0.3069)</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(76.4604, 0.2682, 0.3069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EBFF
RGB	181, 235, 255
RGB Percent	71%, 92%, 100%
CMY	0.2901, 0.0784, 0.0000
CMYK	0.29, 0.08, 0.00, 0.00
HSL	196°, 100%, 85%
HSV	196°, 29%, 100%
XYZ	66.8188, 76.4604, 105.8587
YIQ	221.1340, -38.6040, -5.2280

# Conversions

## Conversions Part 2

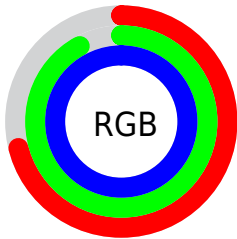
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 212, 255
Decimal	11922431
CIE Lab	90.07, -12.62, -15.25
CIE LCh	90, 19.794, 230.379
Yxy	76.4604, 0.2682, 0.3069
Android (android.graphics.Color)	4290112511 (0xFFB5EBFF)
YUV	221.1340, 16.6959, -35.1975
Hunter-Lab	87.4416, -16.6216, -10.5686

# Details

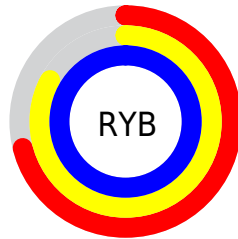
The Yxy color **76.4604, 0.2682, 0.3069** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3777, 0.3715, 0.3500**, and the grayscale version is **72.3090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **40.7530, 0.2584, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **69.7851, 0.2538, 0.2980**, and if you desaturate by 10%, it is **83.8565, 0.2833, 0.3152**.

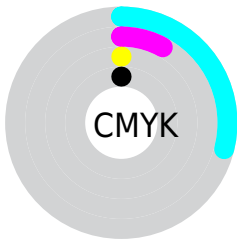
# Distribution



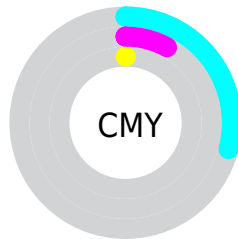
- Red (71%)
- Green (92%)
- Blue (100%)



- 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 76.4604, 0.2682, 0.3069 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 76.4604, 0.2682, 0.3069 by changing the saturation by 10% instead.



■ 76.4604, 0.2682,  
0.3069

■ 76.4604, 0.2682,  
0.3069

■ 482.9223, 0.2883,  
0.3173

■ 56.8101, 0.2637,  
0.3045

■ 128.3775, 0.2751,  
0.3105

■ 40.8528, 0.2583,  
0.3015

■ 161.4131, 0.2778,  
0.3120

■ 28.2041, 0.2515,  
0.2977

■ 199.6793, 0.2801,  
0.3132

■ 18.4796, 0.2428,  
0.2927

■ 243.5604, 0.2822,  
0.3142

■ 11.2948, 0.2313,  
0.2858

■ 293.4408, 0.2840,  
0.3151

■ 6.2655, 0.2153,  
0.2759

■ 349.7050, 0.2856,

■ 3.0072, 0.1920,

0.3159

0.2605

412.7374, 0.2870,  
0.3167

1.1355, 0.1548,  
0.2338

0.0080, 0.0000,  
0.0074

76.4604, 0.2682,  
0.3069

76.4604, 0.2682,  
0.3069

69.7851, 0.2538,  
0.2980

83.8565, 0.2833,  
0.3152

63.7925, 0.2405,  
0.2885

91.9981, 0.2987,  
0.3228

58.4490, 0.2286,  
0.2786

100.0000, 0.3127,  
0.3290

53.7153, 0.2184,  
0.2685

■ 49.5466, 0.2101,  
0.2582

■ 45.8902, 0.2039,  
0.2479

■ 42.6691, 0.1995,  
0.2378

■ 42.3654, 0.1991,  
0.2368

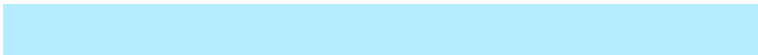
# Harmonies

## Analogous

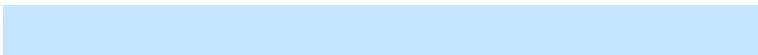
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4604, 0.2747, 0.3272



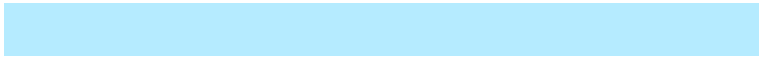
76.4604, 0.2682, 0.3069



76.4604, 0.2731, 0.2936

# Triad

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



76.4604, 0.2682, 0.3069



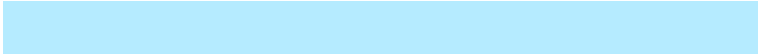
76.4604, 0.3339, 0.3099



76.4604, 0.3366, 0.3706

# Complementary

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



76.4604, 0.2682, 0.3069



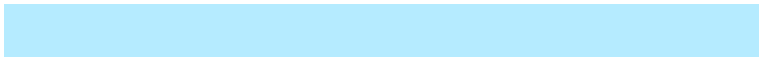
66.3777, 0.3715, 0.3500

# 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.



76.4604, 0.3535, 0.3640



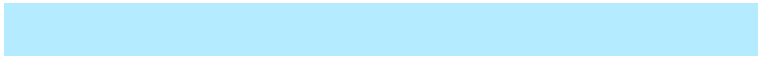
76.4604, 0.2682, 0.3069



76.4604, 0.3521, 0.3288

# Square

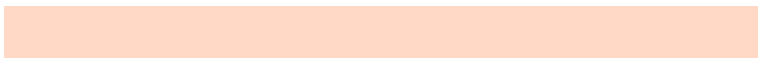
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



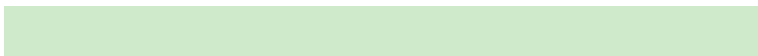
76.4604, 0.2682, 0.3069



76.4604, 0.3104, 0.2959



76.4604, 0.3594, 0.3484

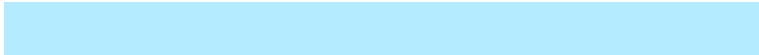


76.4604, 0.3137, 0.3654



# Rectangle

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



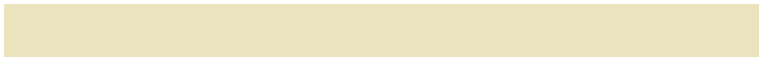
76.4604, 0.2682, 0.3069



76.4604, 0.2822, 0.2900



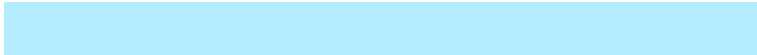
76.4604, 0.3594, 0.3484



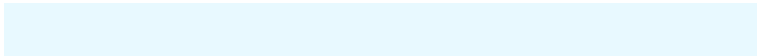
76.4604, 0.3432, 0.3697

# Sweetspot

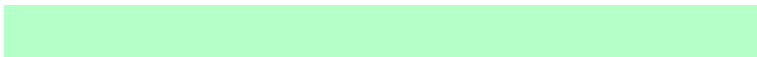
The Sweet Spot groups the original color and five complimentary colors.



76.4623, 0.2682, 0.3069



92.0094, 0.2988, 0.3228



85.5508, 0.2982, 0.3905



19.4300, 0.2965, 0.3217



0.0000, 0.0000, 0.0000

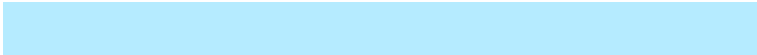


21.4041, 0.3127, 0.3290

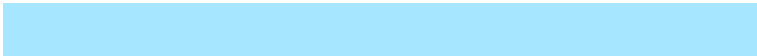


# Same Dimension

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



76.4623, 0.2682, 0.3069



72.3807, 0.2595, 0.3017



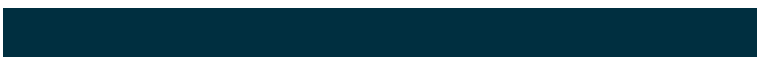
57.5615, 0.2636, 0.2645



19.6019, 0.2980, 0.3224



22.3973, 0.1996, 0.2385



2.3619, 0.2028, 0.2501



# Inverse Universe

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



60.3124, 0.3315, 0.2748



54.2040, 0.3365, 0.2634



85.5929, 0.3612, 0.3861



18.2116, 0.3180, 0.3118



12.9890, 0.4038, 0.1998

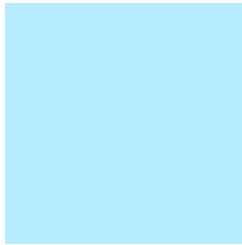


1.2830, 0.3922, 0.1934



# Previews

## White Background



This preview shows how the Yxy color 76.4604, 0.2682, 0.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

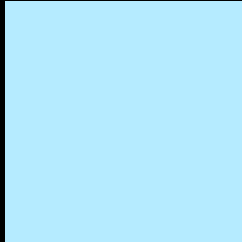
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4604, 0.2682, 0.3069 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 76.4604, 0.2682, 0.3069**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4604, 0.2682, 0.3069.

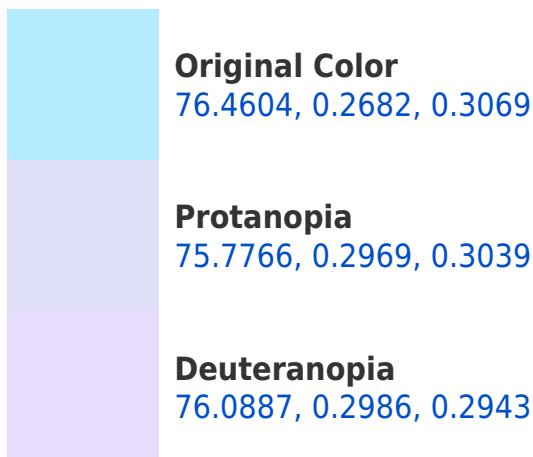


This preview shows how white text looks on a background with the Yxy color 76.4604, 0.2682, 0.3069.

# 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

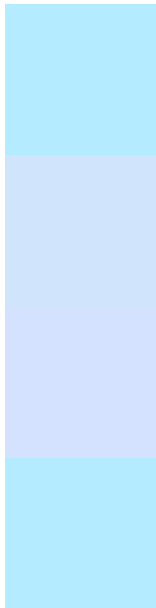




## Tritanopia

76.3962, 0.2687, 0.3080

# Trichromacy



**Original Color**

76.4604, 0.2682, 0.3069

**Protanomaly**

75.8617, 0.2856, 0.3044

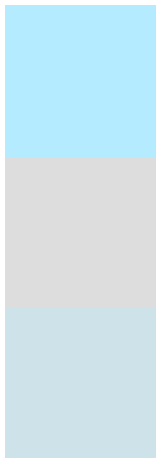
**Deuteranomaly**

75.7588, 0.2863, 0.2984

**Tritanomaly**

76.3962, 0.2687, 0.3080

# Monochromacy



**Original Color**

76.4604, 0.2682, 0.3069

**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 76.4604, 0.2682, 0.3069 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4604, 0.2682, 0.3069 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, 235, 255) }
```

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

```
.border{ border-color:rgb(181, 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(181, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 235, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 235, 255); box-shadow:4px 4px 4px 4px rgb(181, 235, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4604, 0.2682, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 235, 255) }
```

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

```
.background{ background-color: rgb(181,  
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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