

# Converting Colors

$Yxy(76.5390, 0.2809, 0.3108)$

Have a look what the booklet for  
Yxy(76.5390, 0.2809, 0.3108)  
contains.

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# Color

**Yxy(76.5585, 0.2808, 0.3105)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6E8F9
RGB	198, 232, 249
RGB Percent	78%, 91%, 98%
CMY	0.2238, 0.0901, 0.0234
CMYK	0.21, 0.07, 0.00, 0.02
HSL	200°, 81%, 88%
HSV	200°, 21%, 98%
XYZ	69.2355, 76.5585, 100.7712
YIQ	223.7720, -25.7210, -1.9210

# Conversions

## Conversions Part 2

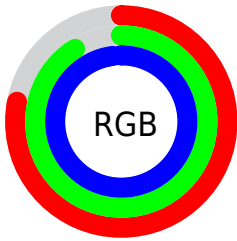
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	198, 218, 249
Decimal	13035769
CIE <sub>Lab</sub>	90.12, -7.52, -11.94
CIE <sub>LCh</sub>	90, 14.114, 237.796
Yxy	76.5585, 0.2808, 0.3105
Android (android.graphics.Color)	4291225849 (0xFFC6E8F9)
YUV	223.7720, 12.4374, -22.6020
Hunter-Lab	87.4977, -11.8769, -7.0360

# Details

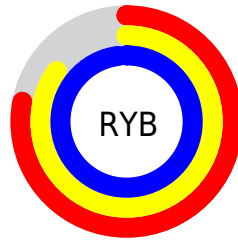
The Yxy color **76.5585, 0.2808, 0.3105** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7959, 0.3504, 0.3468**, and the grayscale version is **74.2891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7406, 0.2730, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **68.8932, 0.2654, 0.3001**, and if you desaturate by 10%, it is **85.0066, 0.2964, 0.3200**.

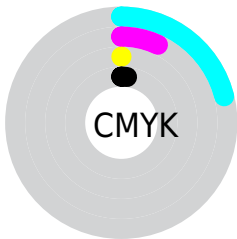
# Distribution



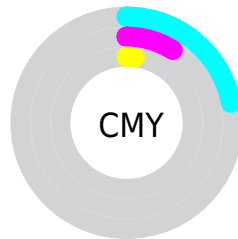
- Red (78%)
- Green (91%)
- Blue (98%)



- Red (78%)
- Yellow (85%)
- Blue (98%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (9%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5585, 0.2808, 0.3105 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 76.5585, 0.2808, 0.3105 by changing the saturation by 10% instead.



76.5585, 0.2808,  
0.3105

76.5585, 0.2808,  
0.3105

483.2574, 0.2953,  
0.3191

56.8906, 0.2776,  
0.3085

128.5161, 0.2858,  
0.3135

40.9174, 0.2736,  
0.3061

161.5745, 0.2877,  
0.3147

28.2546, 0.2686,  
0.3030

199.8653, 0.2894,  
0.3157

18.5176, 0.2622,  
0.2989

243.7727, 0.2909,  
0.3165

11.3223, 0.2537,  
0.2934

293.6813, 0.2922,  
0.3173

6.2840, 0.2417,  
0.2854

349.9753, 0.2933,

3.0185, 0.2237,

0.3180

0.2730

413.0392, 0.2944,  
0.3186

■ 1.1414, 0.1942,  
0.2514

■ 0.0131, 0.0000,  
0.0152

■ 76.5585, 0.2808,  
0.3105

■ 76.5585, 0.2808,  
0.3105

■ 68.8932, 0.2654,  
0.3001

■ 85.0066, 0.2964,  
0.3200

■ 61.9711, 0.2506,  
0.2889

■ 94.2564, 0.3119,  
0.3286

■ 55.7629, 0.2367,  
0.2770

■ 99.6212, 0.3162,  
0.3347

■ 50.2332, 0.2241,  
0.2645

■ 45.3425, 0.2133,  
0.2517

■ 41.0464, 0.2044,  
0.2388

■ 37.2918, 0.1976,  
0.2260

■ 34.1518, 0.1928,  
0.2141

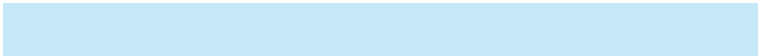
# Harmonies

## Analogous

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



76.5585, 0.2835, 0.3241



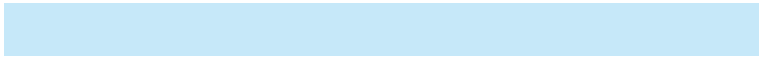
76.5585, 0.2808, 0.3105



76.5585, 0.2863, 0.3023

# Triad

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



76.5585, 0.2808, 0.3105



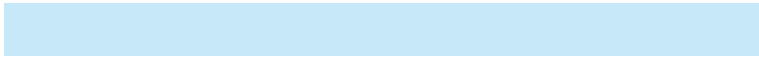
76.5585, 0.3316, 0.3185



76.5585, 0.3261, 0.3583

# Complementary

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



76.5585, 0.2808, 0.3105



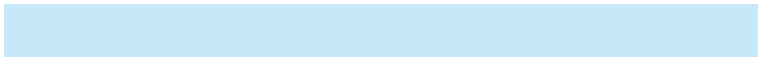
72.7959, 0.3504, 0.3468

# 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.



76.5585, 0.3395, 0.3559



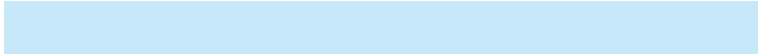
76.5585, 0.2808, 0.3105



76.5585, 0.3428, 0.3327

# Square

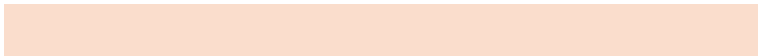
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5585, 0.2808, 0.3105



76.5585, 0.3154, 0.3072



76.5585, 0.3457, 0.3463



76.5585, 0.3094, 0.3524



# Rectangle

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



76.5585, 0.2808, 0.3105



76.5585, 0.2941, 0.3008



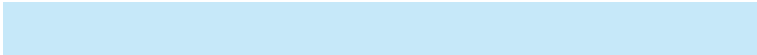
76.5585, 0.3457, 0.3463



76.5585, 0.3311, 0.3584

# Sweetspot

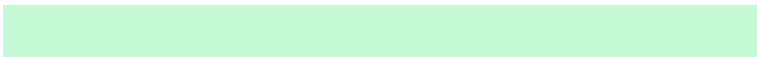
The Sweet Spot groups the original color and five complimentary colors.



76.5616, 0.2808, 0.3105



94.0052, 0.3034, 0.3240



84.6269, 0.3009, 0.3674



19.9853, 0.3024, 0.3234



0.0000, 0.0000, 0.0000

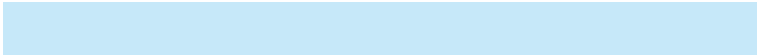


21.4041, 0.3127, 0.3290

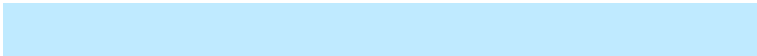


# Same Dimension

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



76.5616, 0.2808, 0.3105



77.0449, 0.2738, 0.3059



63.6141, 0.2790, 0.2827



18.5777, 0.2980, 0.3209



18.5486, 0.1934, 0.2161



1.9126, 0.1976, 0.2312



# Inverse Universe

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



66.3336, 0.3275, 0.2943



64.5582, 0.3315, 0.2863



86.3400, 0.3455, 0.3714



17.4205, 0.3189, 0.3133



12.2834, 0.4274, 0.2128

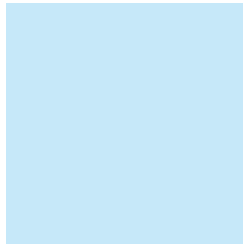


1.1573, 0.4114, 0.2040



# Previews

## White Background



This preview shows how the Yxy color 76.5585, 0.2808, 0.3105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

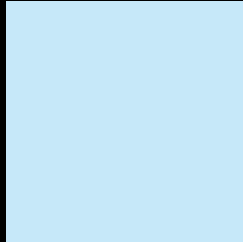
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5585, 0.2808, 0.3105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

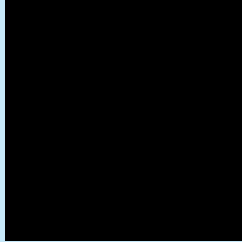
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

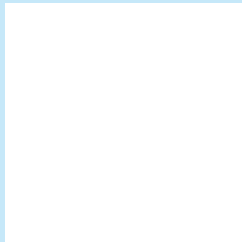
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5585, 0.2808, 0.3105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5585, 0.2808, 0.3105.

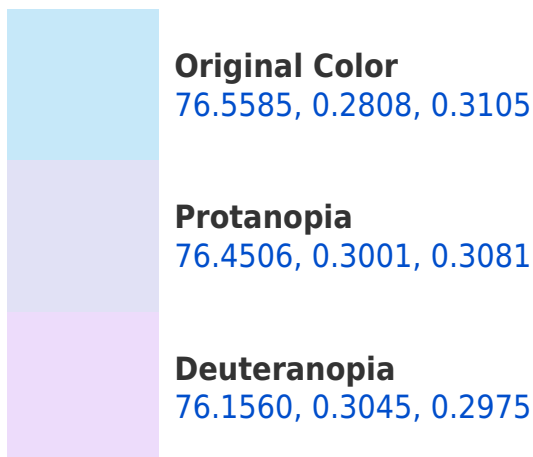


This preview shows how white text looks on a background with the Yxy color 76.5585, 0.2808, 0.3105.

# 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

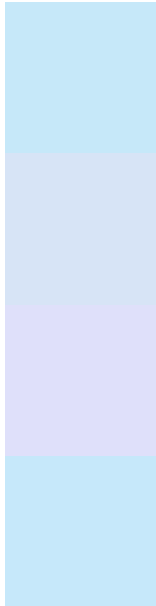




## Tritanopia

76.6211, 0.2803, 0.3095

# Trichromacy



**Original Color**

76.5585, 0.2808, 0.3105

**Protanomaly**

76.5877, 0.2930, 0.3099

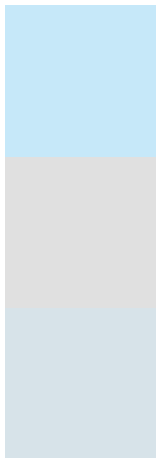
**Deuteranomaly**

75.9014, 0.2957, 0.3019

**Tritanomaly**

76.6211, 0.2803, 0.3095

# Monochromacy



**Original Color**

76.5585, 0.2808, 0.3105

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.2684, 0.3008, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5585, 0.2808, 0.3105 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(198, 232, 249)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 249)  
}
```

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(198, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5585, 0.2808, 0.3105 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(198, 232, 249) }
```

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

```
.border{ border-color:rgb(198, 232, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 232, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 232, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 232, 249); box-shadow:4px 4px 4px 4px rgb(198, 232, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5585, 0.2808, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 249) }
```

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

```
.background{ background-color: rgb(198,  
232, 249) }
```

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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