

# Converting Colors

$Yxy(78.0122, 0.2699, 0.3094)$

Have a look what the booklet for  
Yxy(78.0122, 0.2699, 0.3094)  
contains.

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# **Color**

**Yxy(77.9787, 0.2701, 0.3093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EDFF
RGB	184, 237, 255
RGB Percent	72%, 93%, 100%
CMY	0.2784, 0.0706, 0.0001
CMYK	0.28, 0.07, 0.00, 0.00
HSL	195°, 100%, 86%
HSV	195°, 28%, 100%
XYZ	68.0959, 77.9787, 106.0389
YIQ	223.2050, -37.3660, -5.6380

# Conversions

## Conversions Part 2

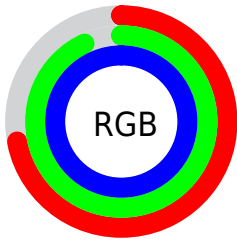
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 214, 255
Decimal	12119551
CIELab	90.77, -12.81, -14.16
CIELCh	91, 19.095, 227.848
Yxy	77.9787, 0.2701, 0.3093
Android (android.graphics.Color)	4290309631 (0xFFB8EDFF)
YUV	223.2050, 15.6749, -34.3828
Hunter-Lab	88.3055, -16.8864, -9.3826

# Details

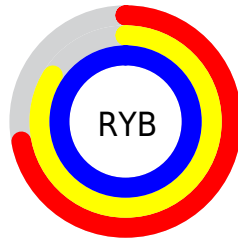
The Yxy color **77.9787, 0.2701, 0.3093** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9336, 0.3689, 0.3478**, and the grayscale version is **73.8519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **41.7921, 0.2608, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **71.4429, 0.2558, 0.3011**, and if you desaturate by 10%, it is **85.2225, 0.2851, 0.3170**.

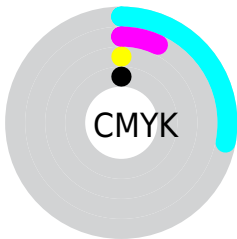
# Distribution



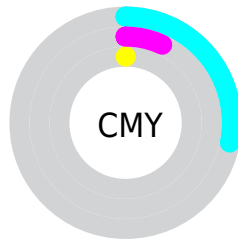
- Red (72%)
- Green (93%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9787, 0.2701, 0.3093 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 77.9787, 0.2701, 0.3093 by changing the saturation by 10% instead.





 77.9787, 0.2701,  
0.3093

 77.9787, 0.2701,  
0.3093

488.0945, 0.2893,  
0.3186

 58.0565, 0.2659,  
0.3072


 130.5201, 0.2766,  
0.3125

 41.8541, 0.2607,  
0.3045


163.9081, 0.2792,  
0.3138

 28.9870, 0.2542,  
0.3011

202.5534, 0.2815,  
0.3149

 19.0710, 0.2459,  
0.2966

246.8405, 0.2834,  
0.3158

 11.7216, 0.2350,  
0.2906

297.1538, 0.2851,  
0.3166

 6.5544, 0.2199,  
0.2817

353.8776, 0.2867,

 3.1850, 0.1978,

0.3174

0.2680

417.3964, 0.2880,  
0.3180

1.2291, 0.1629,  
0.2441

0.0853, 0.0000,  
0.0727

77.9787, 0.2701,  
0.3093

77.9787, 0.2701,  
0.3093

71.4429, 0.2558,  
0.3011

85.2225, 0.2851,  
0.3170

65.5740, 0.2425,  
0.2923

93.1947, 0.3006,  
0.3240

60.3401, 0.2306,  
0.2831

99.9977, 0.3127,  
0.3290

55.7030, 0.2205,  
0.2737

■ 51.6189, 0.2122,  
0.2641

■ 48.0366, 0.2060,  
0.2546

■ 44.8881, 0.2017,  
0.2451

■ 44.2422, 0.2009,  
0.2431

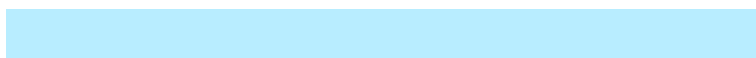
# Harmonies

## Analogous

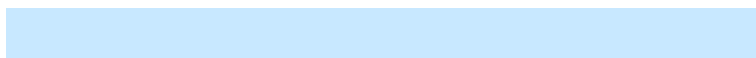
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9787, 0.2772, 0.3291



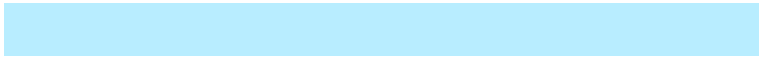
77.9787, 0.2701, 0.3093



77.9787, 0.2739, 0.2958

# Triad

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



77.9787, 0.2701, 0.3093



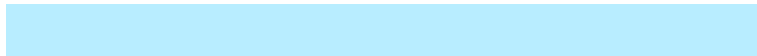
77.9787, 0.3313, 0.3093



77.9787, 0.3373, 0.3688

# Complementary

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



77.9787, 0.2701, 0.3093



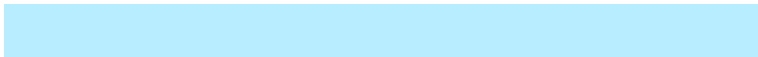
66.9336, 0.3689, 0.3478

# 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.



77.9787, 0.3528, 0.3616



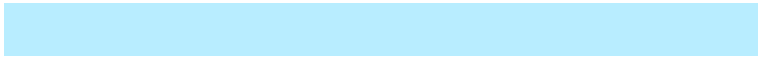
77.9787, 0.2701, 0.3093



77.9787, 0.3494, 0.3272

# Square

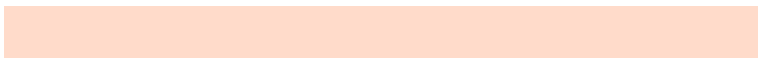
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



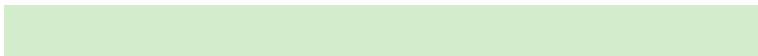
77.9787, 0.2701, 0.3093



77.9787, 0.3086, 0.2964



77.9787, 0.3573, 0.3462

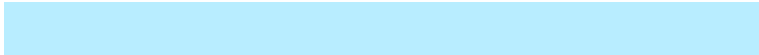


77.9787, 0.3156, 0.3647



# Rectangle

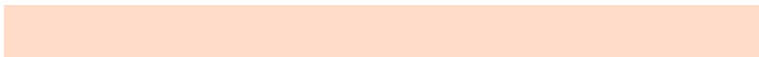
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9787, 0.2701, 0.3093



77.9787, 0.2821, 0.2918



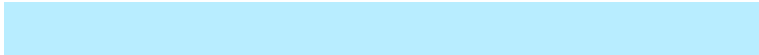
77.9787, 0.3573, 0.3462



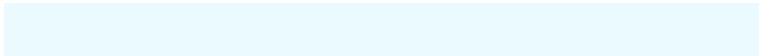
77.9787, 0.3434, 0.3675

# Sweetspot

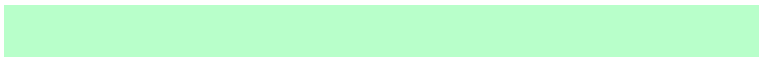
The Sweet Spot groups the original color and five complimentary colors.



77.9818, 0.2701, 0.3093



93.0851, 0.3003, 0.3239



85.9397, 0.2994, 0.3890



19.6574, 0.2980, 0.3228



0.0000, 0.0000, 0.0000

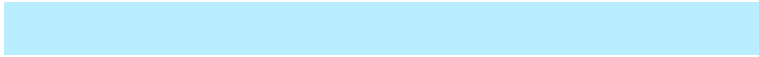


21.4041, 0.3127, 0.3290

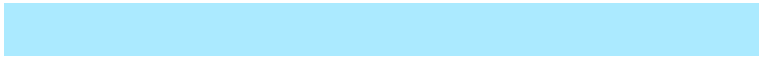


# Same Dimension

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



77.9818, 0.2701, 0.3093



74.5412, 0.2626, 0.3051



59.5274, 0.2659, 0.2689



19.6574, 0.2980, 0.3228



23.3759, 0.2013, 0.2447



2.4503, 0.2043, 0.2554



# Inverse Universe

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



61.6489, 0.3296, 0.2759



56.2530, 0.3336, 0.2658



85.4117, 0.3594, 0.3826



18.2172, 0.3177, 0.3114



13.0878, 0.3976, 0.1964

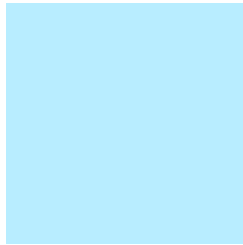


1.2919, 0.3869, 0.1905



# Previews

## White Background



This preview shows how the Yxy color 77.9787, 0.2701, 0.3093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

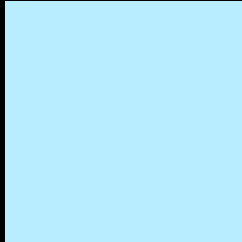
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9787, 0.2701, 0.3093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

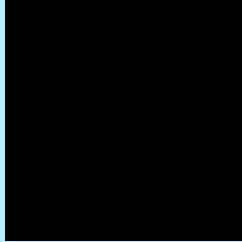
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9787, 0.2701, 0.3093**

## Background



This preview shows how black text looks on a background with the Yxy color 77.9787, 0.2701, 0.3093.



This preview shows how white text looks on a background with the Yxy color 77.9787, 0.2701, 0.3093.

# 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

77.9787, 0.2701, 0.3093

### Protanopia

77.3388, 0.2989, 0.3062

### Deuteranopia

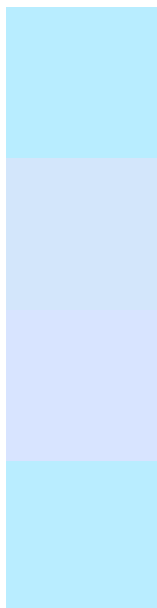
77.6575, 0.3006, 0.2966



## Tritanopia

78.2275, 0.2712, 0.3093

# Trichromacy



## Original Color

77.9787, 0.2701, 0.3093

## Protanomaly

77.4075, 0.2876, 0.3067

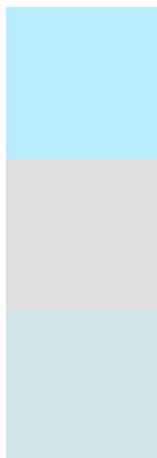
## Deuteranomaly

77.3057, 0.2883, 0.3008

## Tritanomaly

78.1027, 0.2706, 0.3093

# Monochromacy



## Original Color

77.9787, 0.2701, 0.3093

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

75.0403, 0.2956, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9787, 0.2701, 0.3093 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(184, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 237, 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(184, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 237, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9787, 0.2701, 0.3093 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(184, 237, 255) }
```

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

```
.border{ border-color:rgb(184, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 237,  
255) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.9787, 0.2701, 0.3093$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 237, 255) }
```

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

```
.background{ background-color: rgb(184,  
237, 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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