

# Converting Colors

$Yxy(76.5131, 0.2669, 0.3075)$

Have a look what the booklet for  
Yxy(76.5131, 0.2669, 0.3075)  
contains.

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# Color

**Yxy(76.6759, 0.2667, 0.3079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2ECFF
RGB	178, 236, 255
RGB Percent	70%, 93%, 100%
CMY	0.3018, 0.0745, 0.0000
CMYK	0.30, 0.07, 0.00, 0.00
HSL	195°, 100%, 85%
HSV	195°, 30%, 100%
XYZ	66.4159, 76.6759, 105.9368
YIQ	220.8240, -40.6670, -6.3870

# Conversions

## Conversions Part 2

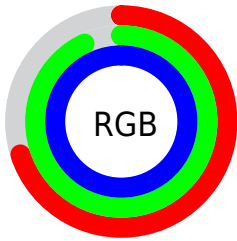
Format	Color
R <sub>Y</sub> B	178, 211, 255
Decimal	11726079
CIE Lab	90.17, -13.95, -15.12
CIE LCh	90, 20.573, 227.318
Yxy	76.6759, 0.2667, 0.3079
Android (android.graphics.Color)	4289916159 (0xFFB2ECFF)
YUV	220.8240, 16.8488, -37.5566
Hunter-Lab	87.5648, -17.8501, -10.4343

# Details

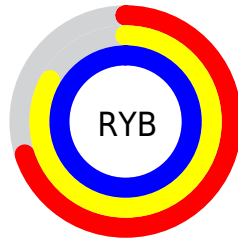
The Yxy color **76.6759, 0.2667, 0.3079** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4285, 0.3751, 0.3490**, and the grayscale version is **72.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **40.9307, 0.2567, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **70.3720, 0.2527, 0.2998**, and if you desaturate by 10%, it is **83.6697, 0.2816, 0.3155**.

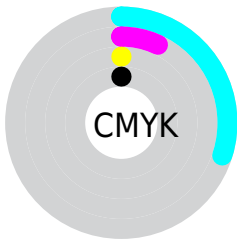
# Distribution



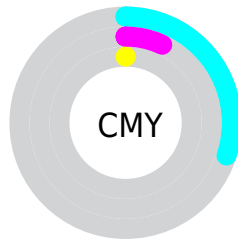
- Red (70%)
- Green (93%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6759, 0.2667, 0.3079 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 76.6759, 0.2667, 0.3079 by changing the saturation by 10% instead.




 76.6759, 0.2667,  
0.3079

 76.6759, 0.2667,  
0.3079


483.6583, 0.2874,  
0.3179

 56.9869, 0.2621,  
0.3056


 128.6819, 0.2738,  
0.3114

 40.9947, 0.2565,  
0.3027


161.7677, 0.2766,  
0.3128

 28.3150, 0.2495,  
0.2990


200.0878, 0.2790,  
0.3139

 18.5632, 0.2405,  
0.2942

244.0268, 0.2811,  
0.3149

 11.3551, 0.2287,  
0.2875

293.9689, 0.2830,  
0.3158

 6.3062, 0.2124,  
0.2778

350.2986, 0.2846,

 3.0322, 0.1885,

0.3166

0.2627

413.4003, 0.2861,  
0.3173

■ 1.1485, 0.1503,  
0.2366

■ 0.0191, 0.0000,  
0.0173

■ 76.6759, 0.2667,  
0.3079

■ 76.6759, 0.2667,  
0.3079

■ 70.3720, 0.2527,  
0.2998

■ 83.6697, 0.2816,  
0.3155

■ 64.7235, 0.2398,  
0.2911

■ 91.3814, 0.2969,  
0.3225

■ 59.6957, 0.2283,  
0.2821

99.8397, 0.3124,  
0.3289

■ 55.2491, 0.2187,  
0.2729

100.0000, 0.3127,  
0.3290

■ 51.3386, 0.2110,  
0.2636

■ 47.9108, 0.2054,  
0.2543

■ 44.9304, 0.2015,  
0.2453

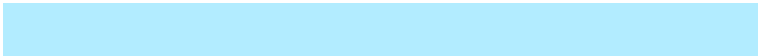
# Harmonies

## Analogous

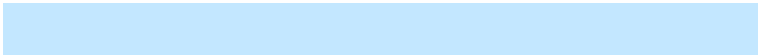
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6759, 0.2745, 0.3295



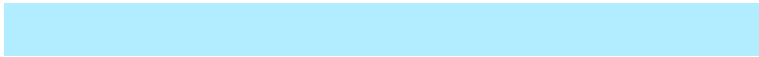
76.6759, 0.2667, 0.3079



76.6759, 0.2705, 0.2932

# Triad

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



76.6759, 0.2667, 0.3079



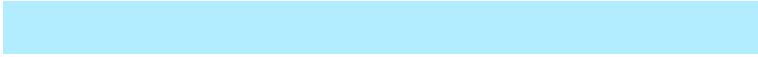
76.6759, 0.3324, 0.3075



76.6759, 0.3397, 0.3721

# Complementary

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



76.6759, 0.2667, 0.3079



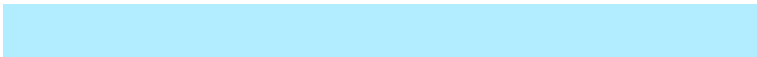
64.4285, 0.3751, 0.3490

# 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.



76.6759, 0.3563, 0.3640



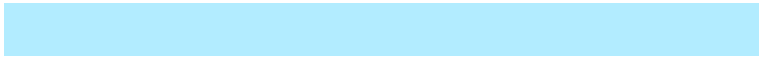
76.6759, 0.2667, 0.3079



76.6759, 0.3522, 0.3267

# Square

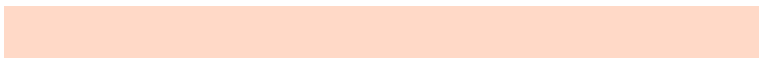
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



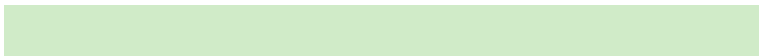
76.6759, 0.2667, 0.3079



76.6759, 0.3077, 0.2937



76.6759, 0.3610, 0.3471

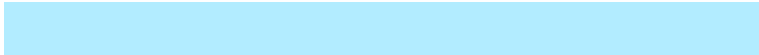


76.6759, 0.3162, 0.3680



# Rectangle

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



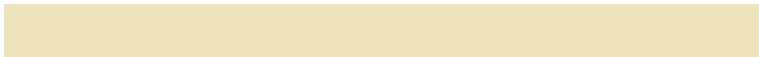
76.6759, 0.2667, 0.3079



76.6759, 0.2793, 0.2889



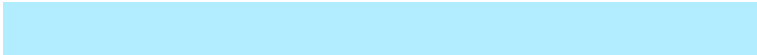
76.6759, 0.3610, 0.3471



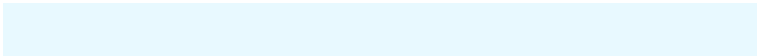
76.6759, 0.3463, 0.3706

# Sweetspot

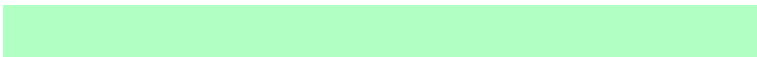
The Sweet Spot groups the original color and five complimentary colors.



76.6766, 0.2667, 0.3079



92.3411, 0.2988, 0.3233



84.9748, 0.2991, 0.3965



19.5121, 0.2965, 0.3224



0.0000, 0.0000, 0.0000

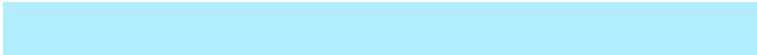


21.4041, 0.3127, 0.3290

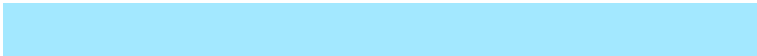


# Same Dimension

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



76.6766, 0.2667, 0.3079



72.9264, 0.2584, 0.3033



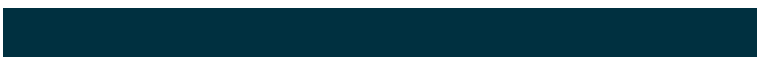
57.3346, 0.2618, 0.2645



19.6768, 0.2980, 0.3230



23.7249, 0.2019, 0.2468



2.4817, 0.2048, 0.2573



# Inverse Universe

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



59.1716, 0.3310, 0.2709



53.3704, 0.3355, 0.2596



83.5933, 0.3641, 0.3860



18.2192, 0.3176, 0.3113



13.1230, 0.3954, 0.1952

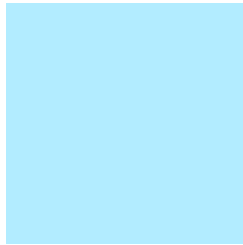


1.2951, 0.3850, 0.1895



# Previews

## White Background



This preview shows how the Yxy color 76.6759, 0.2667, 0.3079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

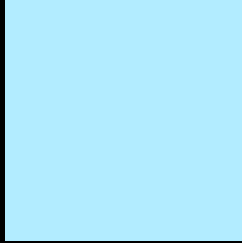
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.6759, 0.2667, 0.3079 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 76.6759, 0.2667, 0.3079**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6759, 0.2667, 0.3079.

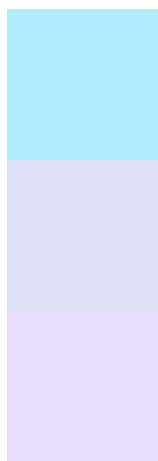


This preview shows how white text looks on a background with the Yxy color 76.6759, 0.2667, 0.3079.

# 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

76.6759, 0.2667, 0.3079

### Protanopia

76.4750, 0.2976, 0.3050

### Deuteranopia

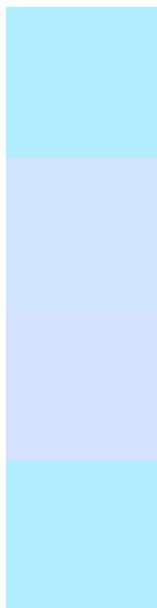
76.0887, 0.2986, 0.2943



## Tritanopia

76.6759, 0.2667, 0.3079

# Trichromacy



## Original Color

76.6759, 0.2667, 0.3079

## Protanomaly

76.2691, 0.2850, 0.3055

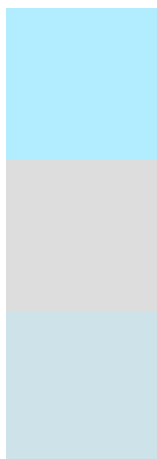
## Deuteranomaly

75.6098, 0.2857, 0.2984

## Tritanomaly

76.6759, 0.2667, 0.3079

# Monochromacy



## Original Color

76.6759, 0.2667, 0.3079

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

73.2550, 0.2942, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6759, 0.2667, 0.3079 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(178, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 236, 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(178, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6759, 0.2667, 0.3079 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(178, 236, 255) }
```

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

```
.border{ border-color:rgb(178, 236, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6759, 0.2667, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 236, 255) }
```

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

```
.background{ background-color: rgb(178,  
236, 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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