

# Converting Colors

$Yxy(76.3134, 0.2779, 0.3177)$

Have a look what the booklet for  
Yxy(76.3134, 0.2779, 0.3177)  
contains.

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# Color

**Yxy(76.0687, 0.2778, 0.3178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCEAF4
RGB	188, 234, 244
RGB Percent	74%, 92%, 96%
CMY	0.2628, 0.0823, 0.0430
CMYK	0.23, 0.04, 0.00, 0.04
HSL	191°, 72%, 85%
HSV	191°, 23%, 96%
XYZ	66.4943, 76.0687, 96.7973
YIQ	221.3860, -30.6260, -6.6420

# Conversions

## Conversions Part 2

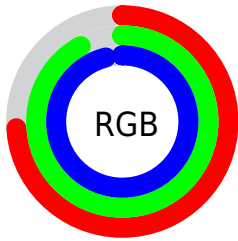
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	188, 213, 244
Decimal	12380916
CIE Lab	89.89, -12.56, -9.74
CIE LCh	90, 15.894, 217.781
Yxy	76.0687, 0.2778, 0.3178
Android (android.graphics.Color)	4290570996 (0xFFBCEAF4)
YUV	221.3860, 11.1487, -29.2795
Hunter-Lab	87.2174, -16.5425, -4.7502

# Details

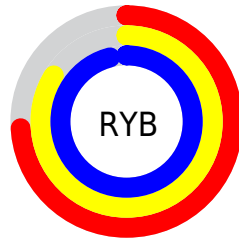
The Yxy color **76.0687, 0.2778, 0.3178** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2743, 0.3578, 0.3399**, and the grayscale version is **72.5304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **40.5400, 0.2701, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **70.7718, 0.2636, 0.3122**, and if you desaturate by 10%, it is **81.9572, 0.2927, 0.3230**.

# Distribution



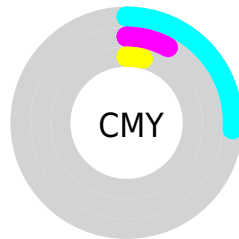
- Red (74%)
- Green (92%)
- Blue (96%)



- Red (74%)
- Yellow (84%)
- Blue (96%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0687, 0.2778, 0.3178 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 76.0687, 0.2778, 0.3178 by changing the saturation by 10% instead.



76.0687, 0.2778,  
0.3178

76.0687, 0.2778,  
0.3178

481.5828, 0.2937,  
0.3232

56.4888, 0.2743,  
0.3165

127.8240, 0.2832,  
0.3197

40.5950, 0.2699,  
0.3150

160.7683, 0.2854,  
0.3204

28.0028, 0.2645,  
0.3129

198.9361, 0.2872,  
0.3210

18.3277, 0.2575,  
0.3102

242.7119, 0.2888,  
0.3216

11.1855, 0.2481,  
0.3065

292.4801, 0.2902,  
0.3220

6.1918, 0.2349,  
0.3009

348.6250, 0.2915,

2.9620, 0.2152,

0.3225

0.2920

411.5312, 0.2926,  
0.3228

1.1119, 0.1820,  
0.2756

0.0000, 0.0000,  
0.0000

76.0687, 0.2778,  
0.3178

76.0687, 0.2778,  
0.3178

70.7718, 0.2636,  
0.3122

81.9572, 0.2927,  
0.3230

66.0304, 0.2506,  
0.3063

88.4530, 0.3081,  
0.3277

61.8187, 0.2389,  
0.3001

94.3863, 0.3196,  
0.3320

58.1045, 0.2289,  
0.2937

97.0928, 0.3193,  
0.3362

■ 54.8521, 0.2207,  
0.2872

■ 99.3141, 0.3191,  
0.3395

■ 52.0200, 0.2146,  
0.2806

■ 49.5583, 0.2103,  
0.2742

■ 47.9959, 0.2082,  
0.2697

# Harmonies

## Analogous

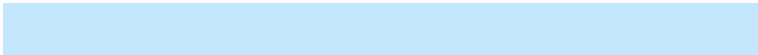
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0687, 0.2868, 0.3352



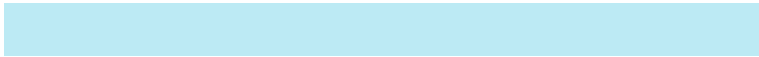
76.0687, 0.2778, 0.3178



76.0687, 0.2779, 0.3042

# Triad

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



76.0687, 0.2778, 0.3178



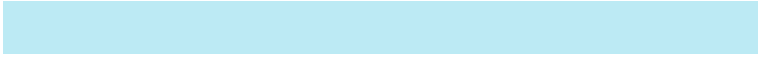
76.0687, 0.3221, 0.3081



76.0687, 0.3386, 0.3613

# Complementary

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



76.0687, 0.2778, 0.3178



63.2743, 0.3578, 0.3399

# 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.



76.0687, 0.3487, 0.3528



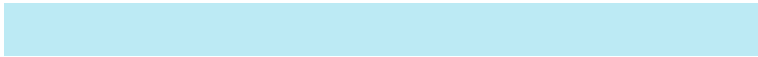
76.0687, 0.2778, 0.3178



76.0687, 0.3391, 0.3223

# Square

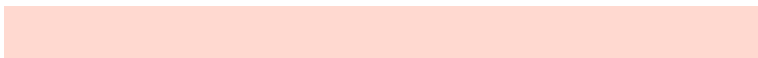
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0687, 0.2778, 0.3178



76.0687, 0.3030, 0.2992



76.0687, 0.3490, 0.3384



76.0687, 0.3216, 0.3610



# Rectangle

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



76.0687, 0.2778, 0.3178



76.0687, 0.2830, 0.2989



76.0687, 0.3490, 0.3384



76.0687, 0.3429, 0.3593

# Sweetspot

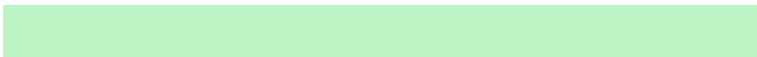
The Sweet Spot groups the original color and five complimentary colors.



76.0718, 0.2778, 0.3178



94.7474, 0.3018, 0.3258



79.4632, 0.3044, 0.3826



20.1863, 0.3009, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

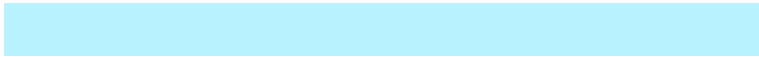


# Same Dimension

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



76.0718, 0.2778, 0.3178



80.9912, 0.2705, 0.3150



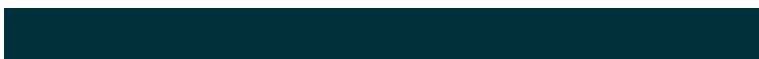
61.6940, 0.2753, 0.2864



18.2233, 0.2980, 0.3247



26.2714, 0.2085, 0.2707



2.4379, 0.2108, 0.2788



# Inverse Universe

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



61.1452, 0.3229, 0.2815



61.7985, 0.3256, 0.2706



76.9156, 0.3515, 0.3682



16.7144, 0.3165, 0.3098



12.7515, 0.3722, 0.1824

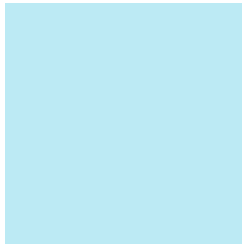


1.1337, 0.3646, 0.1782



# Previews

## White Background



This preview shows how the Yxy color 76.0687, 0.2778, 0.3178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

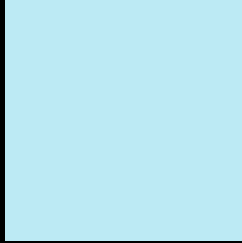
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0687, 0.2778, 0.3178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

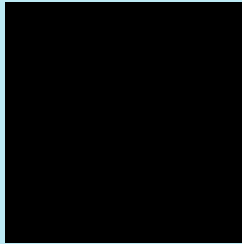
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.0687, 0.2778, 0.3178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0687, 0.2778, 0.3178.

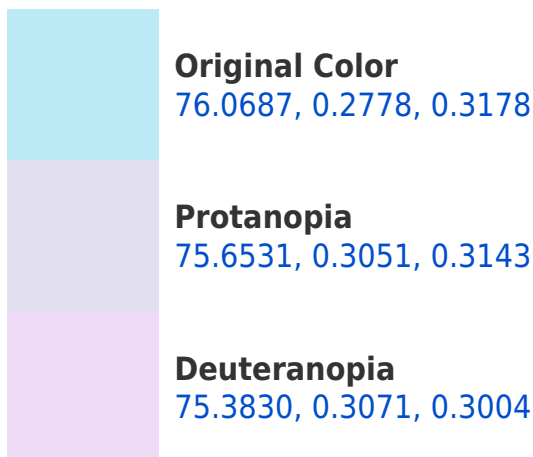


This preview shows how white text looks on a background with the Yxy color 76.0687, 0.2778, 0.3178.

# 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

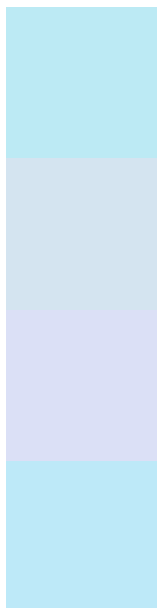




## Tritanopia

76.1900, 0.2751, 0.3092

# Trichromacy



**Original Color**

76.0687, 0.2778, 0.3178

**Protanomaly**

75.7751, 0.2946, 0.3161

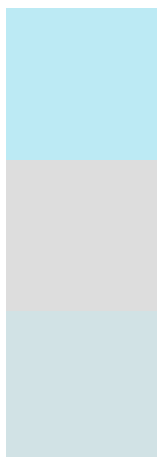
**Deuteranomaly**

75.0252, 0.2955, 0.3058

**Tritanomaly**

75.8740, 0.2762, 0.3124

# Monochromacy



**Original Color**

76.0687, 0.2778, 0.3178

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.6052, 0.2993, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0687, 0.2778, 0.3178 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(188, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(188, 234, 244)  
}
```

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(188, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 234, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0687, 0.2778, 0.3178 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(188, 234, 244) }
```

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

```
.border{ border-color:rgb(188, 234, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 234, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(188, 234,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0687, 0.2778, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 234, 244) }
```

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

```
.background{ background-color: rgb(188,  
234, 244) }
```

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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