

# Converting Colors

$Yxy(78.3511, 0.2673, 0.3111)$

Have a look what the booklet for  
Yxy(78.3511, 0.2673, 0.3111)  
contains.

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# Color

**Yxy(78.4180, 0.2671, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EFFF
RGB	178, 239, 255
RGB Percent	70%, 94%, 100%
CMY	0.3018, 0.0628, 0.0000
CMYK	0.30, 0.06, 0.00, 0.00
HSL	192°, 100%, 85%
HSV	192°, 30%, 100%
XYZ	67.2838, 78.4180, 106.2031
YIQ	222.5850, -41.4920, -7.9560

# Conversions

## Conversions Part 2

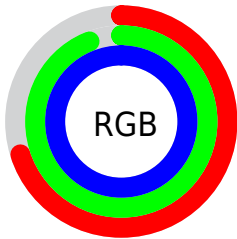
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 212, 255
Decimal	11726847
CIE <sub>Lab</sub>	90.97, -15.46, -13.91
CIE <sub>LCh</sub>	91, 20.801, 221.982
Yxy	78.4180, 0.2671, 0.3113
Android (android.graphics.Color)	4289916927 (0xFFB2EFFF)
YUV	222.5850, 15.9806, -39.1010
Hunter-Lab	88.5539, -19.3440, -9.1190

# Details

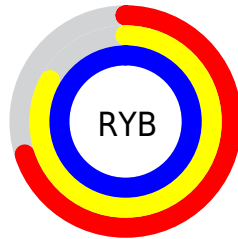
The Yxy color **78.4180, 0.2671, 0.3113** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0794, 0.3761, 0.3459**, and the grayscale version is **73.3957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **42.1551, 0.2573, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **72.6190, 0.2534, 0.3045**, and if you desaturate by 10%, it is **84.8740, 0.2817, 0.3177**.

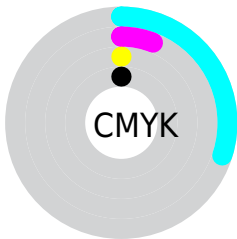
# Distribution



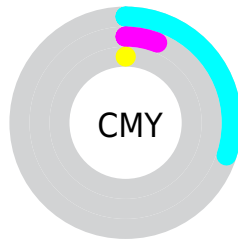
- Red (70%)
- Green (94%)
- Blue (100%)



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



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4180, 0.2671, 0.3113 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 78.4180, 0.2671, 0.3113 by changing the saturation by 10% instead.




 78.4180, 0.2671,  
0.3113

 78.4180, 0.2671,  
0.3113


489.5852, 0.2876,  
0.3197

 58.4174, 0.2626,  
0.3093


 131.1392, 0.2741,  
0.3143

 42.1443, 0.2571,  
0.3069


164.6286, 0.2768,  
0.3154

 29.2143, 0.2502,  
0.3038


203.3831, 0.2792,  
0.3164

 19.2430, 0.2414,  
0.2996

247.7870, 0.2813,  
0.3172

 11.8460, 0.2298,  
0.2939

298.2248, 0.2832,  
0.3180

 6.6389, 0.2139,  
0.2856

355.0808, 0.2848,

 3.2373, 0.1907,

0.3186

0.2726

418.7395, 0.2863,  
0.3192

■ 1.2569, 0.1543,  
0.2496

■ 0.1074, 0.0000,  
0.0893

■ 78.4180, 0.2671,  
0.3113

■ 78.4180, 0.2671,  
0.3113

■ 72.6190, 0.2534,  
0.3045

■ 84.8740, 0.2817,  
0.3177

■ 67.4372, 0.2410,  
0.2973

■ 92.0087, 0.2969,  
0.3236

■ 62.8404, 0.2301,  
0.2898

99.8521, 0.3124,  
0.3289

■ 58.7896, 0.2210,  
0.2821

100.0000, 0.3127,  
0.3290

■ 55.2405, 0.2139,  
0.2744

■ 52.1399, 0.2088,  
0.2667

■ 49.4481, 0.2054,  
0.2593

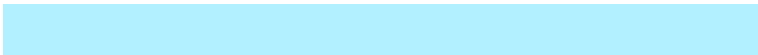
# Harmonies

## Analogous

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



78.4180, 0.2770, 0.3336



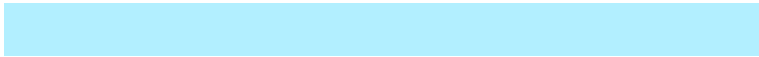
78.4180, 0.2671, 0.3113



78.4180, 0.2689, 0.2950

# Triad

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



78.4180, 0.2671, 0.3113



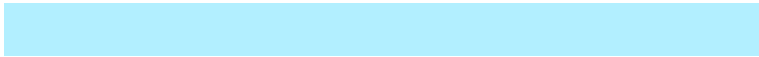
78.4180, 0.3282, 0.3044



78.4180, 0.3434, 0.3716

# Complementary

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



78.4180, 0.2671, 0.3113



63.0794, 0.3761, 0.3459

# 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.



78.4180, 0.3583, 0.3616



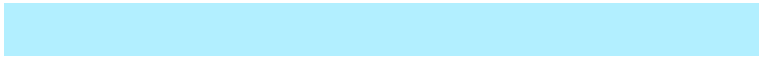
78.4180, 0.2671, 0.3113



78.4180, 0.3495, 0.3230

# Square

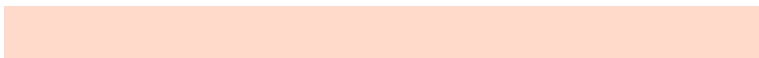
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



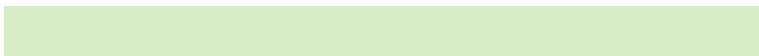
78.4180, 0.2671, 0.3113



78.4180, 0.3034, 0.2919



78.4180, 0.3606, 0.3437

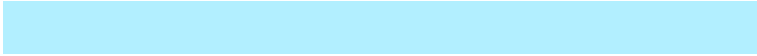


78.4180, 0.3206, 0.3698

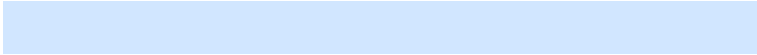


# Rectangle

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



78.4180, 0.2671, 0.3113



78.4180, 0.2764, 0.2894



78.4180, 0.3606, 0.3437



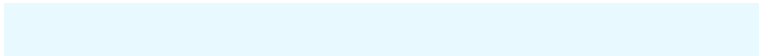
78.4180, 0.3495, 0.3695

# Sweetspot

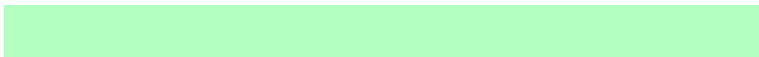
The Sweet Spot groups the original color and five complimentary colors.



78.4206, 0.2671, 0.3113



92.8969, 0.2988, 0.3242



84.8594, 0.3004, 0.3996



19.6497, 0.2965, 0.3234



0.0000, 0.0000, 0.0000

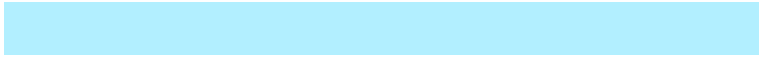


21.4041, 0.3127, 0.3290

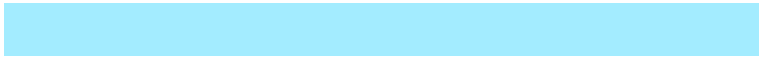


# Same Dimension

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



78.4206, 0.2671, 0.3113



74.9668, 0.2590, 0.3074



58.5231, 0.2621, 0.2675



19.8022, 0.2980, 0.3239



26.0604, 0.2057, 0.2606



2.6909, 0.2081, 0.2693



# Inverse Universe

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



59.3488, 0.3286, 0.2681



53.5764, 0.3325, 0.2563



82.1398, 0.3648, 0.3836



18.2318, 0.3170, 0.3104



13.3588, 0.3819, 0.1877

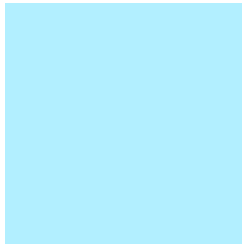


1.3162, 0.3735, 0.1831



# Previews

## White Background



This preview shows how the Yxy color 78.4180, 0.2671, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

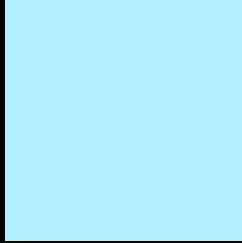
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4180, 0.2671, 0.3113 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 78.4180, 0.2671, 0.3113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4180, 0.2671, 0.3113.

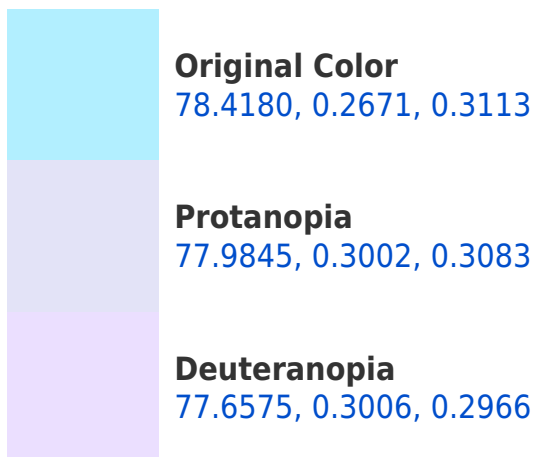


This preview shows how white text looks on a background with the Yxy color 78.4180, 0.2671, 0.3113.

# 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

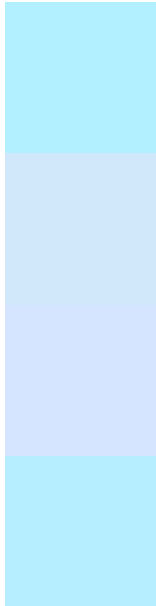




## Tritanopia

78.5594, 0.2702, 0.3104

# Trichromacy



**Original Color**

78.4180, 0.2671, 0.3113

**Protanomaly**

77.6093, 0.2869, 0.3088

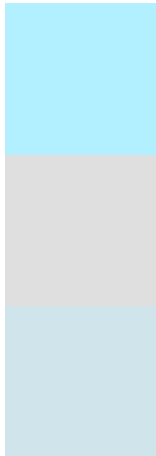
**Deuteranomaly**

77.5548, 0.2871, 0.3017

**Tritanomaly**

78.3142, 0.2691, 0.3103

# Monochromacy



**Original Color**

78.4180, 0.2671, 0.3113

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

75.3022, 0.2943, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4180, 0.2671, 0.3113 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 239, 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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4180, 0.2671, 0.3113 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, 239, 255) }
```

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

```
.border{ border-color:rgb(178, 239, 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, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 239,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4180, 0.2671, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 239, 255) }
```

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

```
.background{ background-color: rgb(178,  
239, 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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