

# Converting Colors

$Y_{xy}(76.1145, 0.2685, 0.3206)$

Have a look what the booklet for  
Yxy(76.1145, 0.2685, 0.3206)  
contains.

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# Color

**Yxy(75.8189, 0.2681, 0.3198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEDF5
RGB	171, 237, 245
RGB Percent	67%, 93%, 96%
CMY	0.3295, 0.0706, 0.0391
CMYK	0.30, 0.03, 0.00, 0.04
HSL	187°, 79%, 82%
HSV	187°, 30%, 96%
XYZ	63.5617, 75.8189, 97.7016
YIQ	218.1780, -41.9040, -11.5040

# Conversions

## Conversions Part 2

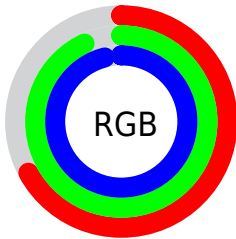
Format	Color
<a href="#">RYB</a>	<a href="#">171, 206, 245</a>
Decimal	<a href="#">11267573</a>
CIELab	<a href="#">89.78, -18.68, -10.53</a>
CIELCh	<a href="#">90, 21.450, 209.413</a>
Yxy	<a href="#">75.8189, 0.2681, 0.3198</a>
Android (android.graphics.Color)	<a href="#">4289457653 (0xFFABEDF5)</a>
YUV	<a href="#">218.1780, 13.2232, -41.3751</a>
Hunter-Lab	<a href="#">87.0740, -22.0793, -5.5746</a>

# Details

The Yxy color **75.8189, 0.2681, 0.3198** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.6074, 0.3784, 0.3379**, and the grayscale version is **70.1697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **40.4349, 0.2580, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **71.7925, 0.2553, 0.3163**, and if you desaturate by 10%, it is **80.3843, 0.2821, 0.3231**.

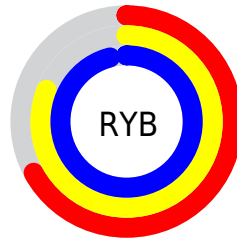
# Distribution



Red (67%)

Green (93%)

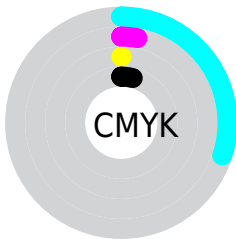
Blue (96%)



Red (67%)

Yellow (81%)

Blue (96%)

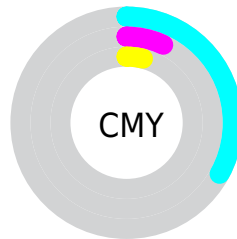


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (7%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8189, 0.2681, 0.3198 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 75.8189, 0.2681, 0.3198 by changing the saturation by 10% instead.




 75.8189, 0.2681,  
0.3198

 75.8189, 0.2681,  
0.3198

480.7275, 0.2883,  
0.3244

 56.2840, 0.2636,  
0.3187


 127.4709, 0.2750,  
0.3215

 40.4307, 0.2581,  
0.3173


160.3568, 0.2777,  
0.3221

 27.8745, 0.2512,  
0.3154

198.4618, 0.2801,  
0.3226

 18.2311, 0.2424,  
0.3129

242.1703, 0.2821,  
0.3231

 11.1160, 0.2306,  
0.3093

291.8668, 0.2839,  
0.3235

 6.1449, 0.2143,  
0.3039

347.9355, 0.2856,

 2.9334, 0.1902,

0.3238

0.2948

410.7610, 0.2870,  
0.3241

1.0971, 0.1456,  
0.2791

0.0000, 0.0000,  
0.0000

75.8189, 0.2681,  
0.3198

75.8189, 0.2681,  
0.3198

71.7925, 0.2553,  
0.3163

80.3843, 0.2821,  
0.3231

68.2676, 0.2440,  
0.3127

85.5056, 0.2969,  
0.3261

65.2161, 0.2345,  
0.3089

91.2103, 0.3124,  
0.3289

62.6035, 0.2268,  
0.3051

94.7688, 0.3190,  
0.3315

■ 60.3899, 0.2210,  
0.3013

■ 96.4123, 0.3188,  
0.3341

■ 58.5282, 0.2172,  
0.2975

■ 98.0791, 0.3186,  
0.3366

■ 56.9718, 0.2150,  
0.2939

■ 99.3750, 0.3185,  
0.3385

# Harmonies

## Analogous

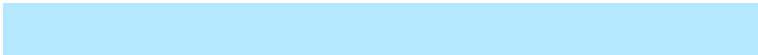
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8189, 0.2829, 0.3439



75.8189, 0.2681, 0.3198



75.8189, 0.2648, 0.2996

# Triad

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



75.8189, 0.2681, 0.3198



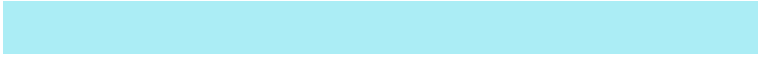
75.8189, 0.3180, 0.2970



75.8189, 0.3525, 0.3704

# Complementary

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



75.8189, 0.2681, 0.3198



54.6074, 0.3784, 0.3379

# 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.



75.8189, 0.3630, 0.3558



75.8189, 0.2681, 0.3198



75.8189, 0.3427, 0.3141

# Square

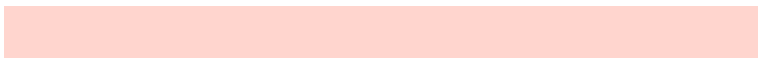
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8189, 0.2681, 0.3198



75.8189, 0.2928, 0.2876



75.8189, 0.3594, 0.3352



75.8189, 0.3315, 0.3741

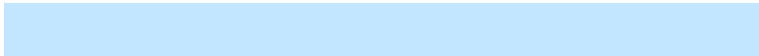


# Rectangle

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



75.8189, 0.2681, 0.3198



75.8189, 0.2694, 0.2909



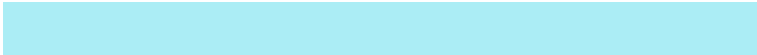
75.8189, 0.3594, 0.3352



75.8189, 0.3575, 0.3665

# Sweetspot

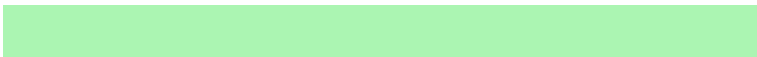
The Sweet Spot groups the original color and five complimentary colors.



75.8219, 0.2681, 0.3198



94.3255, 0.2988, 0.3265



77.2153, 0.3045, 0.4087



20.0038, 0.2965, 0.3261



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.



75.8219, 0.2681, 0.3198



80.3558, 0.2605, 0.3178



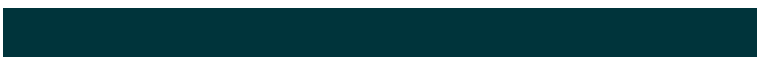
56.8411, 0.2632, 0.2767



18.4326, 0.2981, 0.3264



30.8060, 0.2151, 0.2945



2.7937, 0.2164, 0.2992



# Inverse Universe

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



54.6540, 0.3226, 0.2611



54.1204, 0.3249, 0.2481



71.1732, 0.3670, 0.3762



16.7355, 0.3155, 0.3082



13.2093, 0.3503, 0.1703

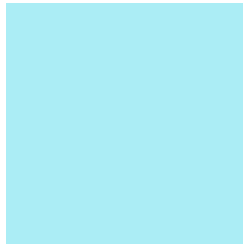


1.1697, 0.3461, 0.1680



# Previews

## White Background



This preview shows how the Yxy color 75.8189, 0.2681, 0.3198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

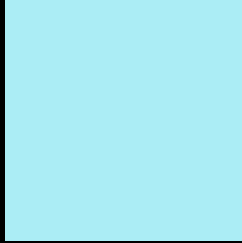
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8189, 0.2681, 0.3198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

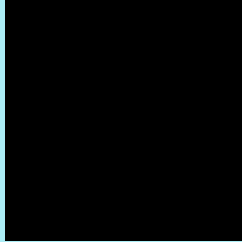
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8189, 0.2681, 0.3198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8189, 0.2681, 0.3198.

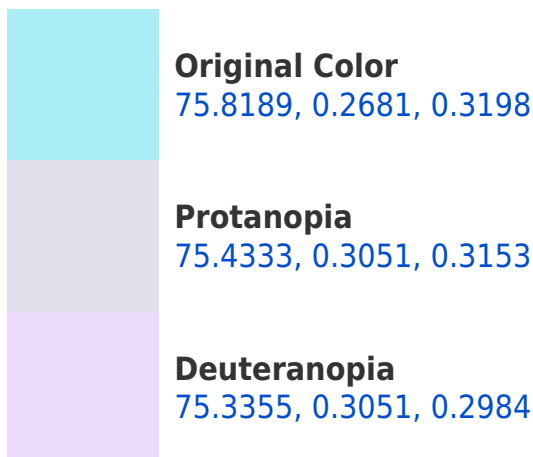


This preview shows how white text looks on a background with the Yxy color 75.8189, 0.2681, 0.3198.

# 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

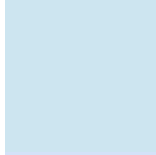
76.0309, 0.2645, 0.3089

# Trichromacy



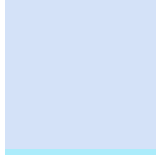
## Original Color

75.8189, 0.2681, 0.3198



## Protanomaly

75.3090, 0.2901, 0.3170



## Deuteranomaly

75.1671, 0.2898, 0.3055



## Tritanomaly

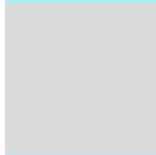
75.7266, 0.2655, 0.3121

# Monochromacy



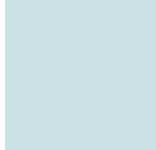
## Original Color

75.8189, 0.2681, 0.3198



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.8694, 0.2946, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8189, 0.2681, 0.3198 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(171, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 245)  
}
```

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(171, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8189, 0.2681, 0.3198 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(171, 237, 245) }
```

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

```
.border{ border-color:rgb(171, 237, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8189, 0.2681, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 245) }
```

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

```
.background{ background-color: rgb(171,  
237, 245) }
```

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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