

# Converting Colors

$Yxy(75.7385, 0.2865, 0.3472)$

Have a look what the booklet for  
Yxy(75.7385, 0.2865, 0.3472)  
contains.

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# Color

**Yxy(75.6126, 0.2866, 0.3473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EDDD
RGB	181, 237, 221
RGB Percent	71%, 93%, 87%
CMY	0.2900, 0.0706, 0.1334
CMYK	0.24, 0.00, 0.07, 0.07
HSL	163°, 61%, 82%
HSV	163°, 24%, 93%
XYZ	62.3973, 75.6126, 79.7057
YIQ	218.4320, -28.2400, -16.8480

# Conversions

## Conversions Part 2

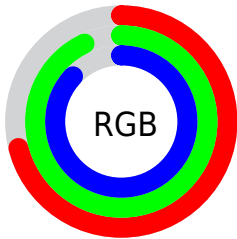
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 214, 237
Decimal	11922909
CIELab	89.68, -20.96, 1.96
CIELCh	90, 21.049, 174.667
Yxy	75.6126, 0.2866, 0.3473
Android (android.graphics.Color)	4290112989 (0xFFB5EDDD)
YUV	218.4320, 1.2660, -32.8279
Hunter-Lab	86.9555, -24.0846, 6.5221

# Details

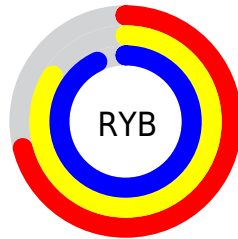
The Yxy color **75.6126, 0.2866, 0.3473** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.1024, 0.3479, 0.3115**, and the grayscale version is **70.4371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **40.3129, 0.2805, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **72.6353, 0.2768, 0.3563**, and if you desaturate by 10%, it is **79.0980, 0.2973, 0.3390**.

# Distribution



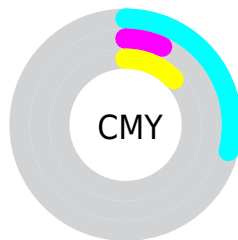
- Red (71%)
- Green (93%)
- Blue (87%)



- Red (71%)
- Yellow (84%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)




- Cyan (29%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6126, 0.2866, 0.3473 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 75.6126, 0.2866, 0.3473 by changing the saturation by 10% instead.





 75.6126, 0.2866,  
0.3473

 75.6126, 0.2866,  
0.3473

480.0205, 0.2986,  
0.3388

 56.1149, 0.2839,  
0.3492


 127.1791, 0.2908,  
0.3444

 40.2951, 0.2805,  
0.3516

160.0168, 0.2924,  
0.3432

 27.7687, 0.2762,  
0.3547


198.0699, 0.2938,  
0.3422

 18.1514, 0.2707,  
0.3587

241.7228, 0.2950,  
0.3414

 11.0587, 0.2631,  
0.3641

291.3599, 0.2961,  
0.3406

 6.1063, 0.2523,  
0.3721

347.3656, 0.2970,

 2.9098, 0.2355,

0.3400

410.1244, 0.2979,  
0.3394

0.3845

1.0848, 0.1932,  
0.4136

0.0000, 0.0000,  
0.0000

75.6126, 0.2866,  
0.3473

75.6126, 0.2866,  
0.3473

72.6353, 0.2768,  
0.3563

79.0980, 0.2973,  
0.3390

70.1321, 0.2681,  
0.3659


83.1053, 0.3086,  
0.3315

68.0790, 0.2608,  
0.3762


87.6593, 0.3201,  
0.3248


66.4463, 0.2554,  
0.3868


88.6109, 0.3178,  
0.3183


 65.2006, 0.2518,  
0.3977

 89.0396, 0.3136,  
0.3118

 64.3034, 0.2503,  
0.4086

 89.0468, 0.3135,  
0.3117

 63.7076, 0.2507,  
0.4194

 63.4392, 0.2518,  
0.4263

# Harmonies

## Analogous

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



75.6126, 0.3100, 0.3661



75.6126, 0.2866, 0.3473



75.6126, 0.2705, 0.3237

# Triad

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



75.6126, 0.2866, 0.3473



75.6126, 0.2896, 0.2877



75.6126, 0.3625, 0.3524

# Complementary

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



75.6126, 0.2866, 0.3473



55.1024, 0.3479, 0.3115

# 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.



75.6126, 0.3568, 0.3318



75.6126, 0.2866, 0.3473



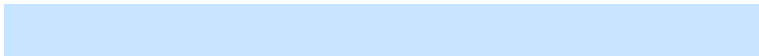
75.6126, 0.3138, 0.2955

# Square

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



75.6126, 0.2866, 0.3473



75.6126, 0.2721, 0.2900



75.6126, 0.3387, 0.3113



75.6126, 0.3543, 0.3680

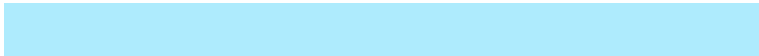


# Rectangle

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



75.6126, 0.2866, 0.3473



75.6126, 0.2657, 0.3090



75.6126, 0.3387, 0.3113



75.6126, 0.3622, 0.3458

# Sweetspot

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



75.6157, 0.2866, 0.3473



96.4458, 0.3047, 0.3340



75.8873, 0.3208, 0.3934



20.5810, 0.3040, 0.3345



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

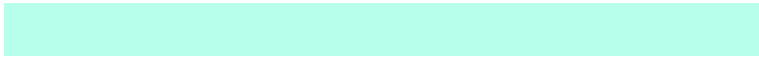


# Same Dimension

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



75.6157, 0.2866, 0.3473



87.6347, 0.2820, 0.3513



70.2306, 0.2768, 0.3161



17.0441, 0.3019, 0.3358



34.6600, 0.2513, 0.4245



2.7381, 0.2471, 0.4096



# Inverse Universe

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



55.1024, 0.3479, 0.3115



59.7358, 0.3568, 0.3080



59.1438, 0.3590, 0.3415



15.1249, 0.3248, 0.3223



10.0758, 0.5808, 0.2973

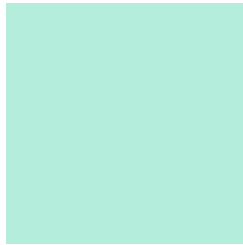


0.8073, 0.5414, 0.2756



# Previews

## White Background



This preview shows how the Yxy color 75.6126, 0.2866, 0.3473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

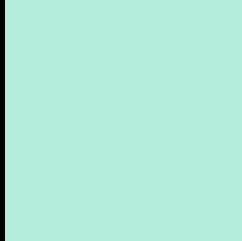
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6126, 0.2866, 0.3473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

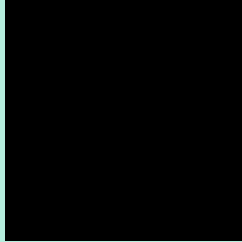
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

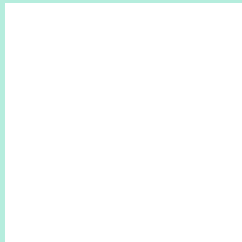
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.6126, 0.2866, 0.3473**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6126, 0.2866, 0.3473.

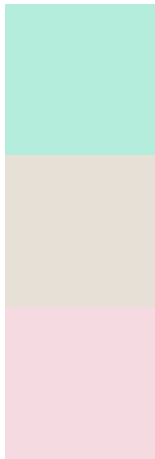


This preview shows how white text looks on a background with the Yxy color 75.6126, 0.2866, 0.3473.

# 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

75.6126, 0.2866, 0.3473

### Protanopia

75.1553, 0.3243, 0.3397

### Deuteranopia

75.1719, 0.3283, 0.3219



## Tritanopia

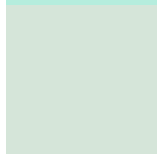
75.8077, 0.2734, 0.3091

# Trichromacy



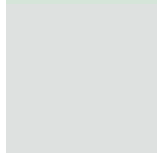
## Original Color

75.6126, 0.2866, 0.3473



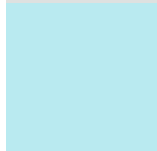
## Protanomaly

75.1945, 0.3094, 0.3422



## Deuteranomaly

74.7618, 0.3113, 0.3301



## Tritanomaly

75.4512, 0.2782, 0.3222

# Monochromacy



## Original Color

75.6126, 0.2866, 0.3473



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.9440, 0.3028, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6126, 0.2866, 0.3473 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(181, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(181, 237, 221)  
}
```

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(181, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 237, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6126, 0.2866, 0.3473 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(181, 237, 221) }
```

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

```
.border{ border-color:rgb(181, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(181, 237,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6126, 0.2866, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 237, 221) }
```

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

```
.background{ background-color: rgb(181,  
237, 221) }
```

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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