

# Converting Colors

$Yxy(74.4929, 0.2920, 0.3505)$

Have a look what the booklet for  
Yxy(74.4929, 0.2920, 0.3505)  
contains.

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# Color

**Yxy(74.6888, 0.2917, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9EBD8
RGB	185, 235, 216
RGB Percent	73%, 92%, 85%
CMY	0.2746, 0.0784, 0.1529
CMYK	0.21, 0.00, 0.08, 0.08
HSL	157°, 56%, 82%
HSV	157°, 21%, 92%
XYZ	62.1058, 74.6888, 76.1153
YIQ	217.8840, -23.7010, -16.5090

# Conversions

## Conversions Part 2

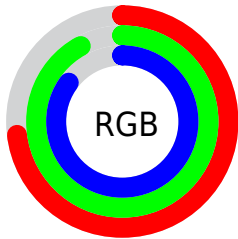
Format	Color
<a href="#">RYB</a>	<a href="#">185, 216, 235</a>
Decimal	<a href="#">12184536</a>
CIELab	<a href="#">89.25, -19.77, 3.96</a>
CIELCh	<a href="#">89, 20.165, 168.676</a>
Yxy	<a href="#">74.6888, 0.2917, 0.3508</a>
Android (android.graphics.Color)	<a href="#">4290374616</a> ( <a href="#">0xFFB9EBD8</a> )
YUV	<a href="#">217.8840, -0.9288, -28.8393</a>
Hunter-Lab	<a href="#">86.4227, -22.9645, 8.2772</a>

# Details

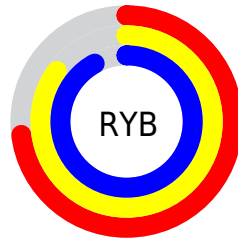
The Yxy color **74.6888, 0.2917, 0.3508** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.7075, 0.3397, 0.3082**, and the grayscale version is **70.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **39.6387, 0.2869, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **71.5581, 0.2827, 0.3627**, and if you desaturate by 10%, it is **78.3338, 0.3014, 0.3400**.

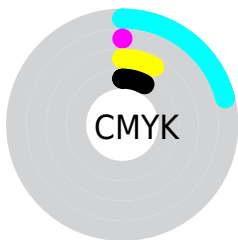
# Distribution



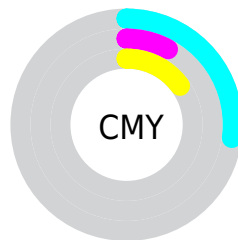
- Red (73%)
- Green (92%)
- Blue (85%)



- Red (73%)
- Yellow (85%)
- Blue (92%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)




- Cyan (27%)
- Magenta (8%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6888, 0.2917, 0.3508 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 74.6888, 0.2917, 0.3508 by changing the saturation by 10% instead.




 74.6888, 0.2917,  
0.3508

 74.6888, 0.2917,  
0.3508

476.8473, 0.3015,  
0.3406

 55.3580, 0.2895,  
0.3532


 125.8717, 0.2951,  
0.3472

 39.6884, 0.2867,  
0.3561


158.4927, 0.2964,  
0.3459

 27.2957, 0.2832,  
0.3598


196.3124, 0.2975,  
0.3447

 17.7954, 0.2786,  
0.3647

239.7154, 0.2985,  
0.3437

 10.8032, 0.2723,  
0.3715

289.0859, 0.2994,  
0.3428

 5.9347, 0.2631,  
0.3815


344.8085, 0.3002,

 2.8054, 0.2487,


0.3420


0.3976


407.2675, 0.3008,  
0.3412


 1.0310, 0.2078,  
0.4370


 0.0000, 0.0000,  
0.0000

 74.6888, 0.2917,  
0.3508


 74.6888, 0.2917,  
0.3508

 71.5581, 0.2827,  
0.3627


 78.3338, 0.3014,  
0.3400


 68.9083, 0.2747,  
0.3756

 82.5063, 0.3114,  
0.3302

 66.7164, 0.2680,  
0.3893

 87.1407, 0.3213,  
0.3215

 64.9536, 0.2628,  
0.4037

 87.6923, 0.3157,  
0.3129

■ 63.5881, 0.2596,  
0.4185

■ 87.9029, 0.3136,  
0.3097

■ 62.5831, 0.2584,  
0.4334

■ 61.8947, 0.2592,  
0.4481

■ 61.4914, 0.2613,  
0.4606

# Harmonies

## Analogous

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



74.6888, 0.3151, 0.3670



74.6888, 0.2917, 0.3508



74.6888, 0.2744, 0.3284

# Triad

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



74.6888, 0.2917, 0.3508



74.6888, 0.2864, 0.2889



74.6888, 0.3606, 0.3478

# Complementary

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



74.6888, 0.2917, 0.3508



56.7075, 0.3397, 0.3082

# 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.



74.6888, 0.3524, 0.3276



74.6888, 0.2917, 0.3508



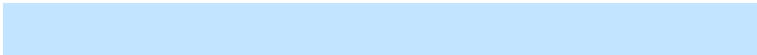
74.6888, 0.3089, 0.2945

# Square

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



74.6888, 0.2917, 0.3508



74.6888, 0.2714, 0.2932



74.6888, 0.3332, 0.3085



74.6888, 0.3553, 0.3642

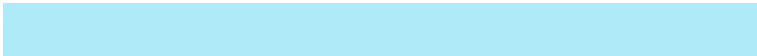


# Rectangle

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



74.6888, 0.2917, 0.3508



74.6888, 0.2683, 0.3138



74.6888, 0.3332, 0.3085



74.6888, 0.3593, 0.3413

# Sweetspot

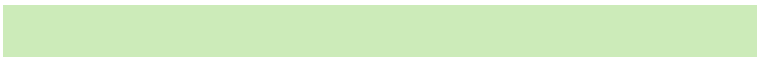
The Sweet Spot groups the original color and five complimentary colors.



74.6919, 0.2917, 0.3508



96.8443, 0.3066, 0.3347



75.7833, 0.3229, 0.3859



20.6582, 0.3060, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

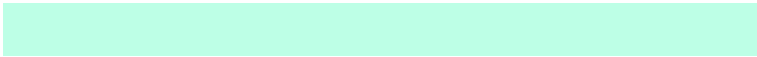


# Same Dimension

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



74.6919, 0.2917, 0.3508



88.0040, 0.2873, 0.3564



72.4436, 0.2806, 0.3223



17.0193, 0.3032, 0.3381



34.2448, 0.2606, 0.4583



2.7077, 0.2551, 0.4383



# Inverse Universe

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



56.7075, 0.3397, 0.3082



62.3748, 0.3476, 0.3033



58.3435, 0.3544, 0.3356



15.1487, 0.3233, 0.3201



10.2563, 0.5457, 0.2780

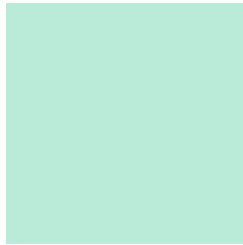


0.8236, 0.5082, 0.2573



# Previews

## White Background



This preview shows how the Yxy color 74.6888, 0.2917, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

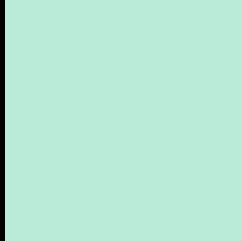
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6888, 0.2917, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

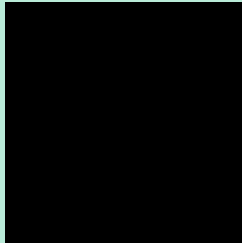
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

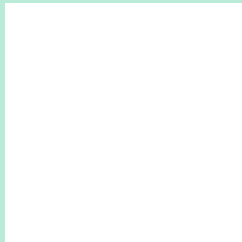
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6888, 0.2917, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6888, 0.2917, 0.3508.

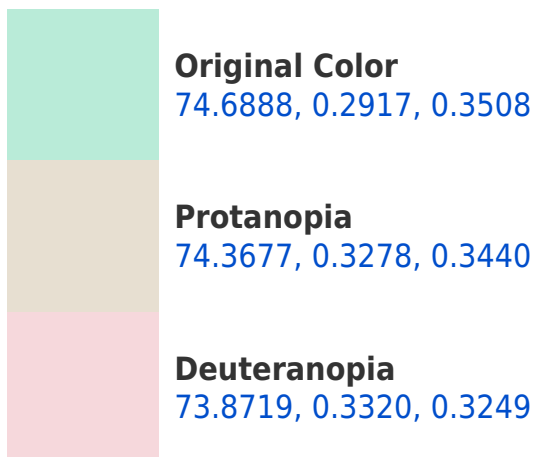


This preview shows how white text looks on a background with the Yxy color 74.6888, 0.2917, 0.3508.

# 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

74.5095, 0.2765, 0.3081

# Trichromacy



## Original Color

74.6888, 0.2917, 0.3508

## Protanomaly

73.9878, 0.3133, 0.3456

## Deuteranomaly

73.7371, 0.3160, 0.3333

## Tritanomaly

74.6465, 0.2821, 0.3233

# Monochromacy



## Original Color

74.6888, 0.2917, 0.3508

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.4429, 0.3047, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6888, 0.2917, 0.3508 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(185, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 235, 216)  
}
```

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(185, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 235, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6888, 0.2917, 0.3508 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(185, 235, 216) }
```

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

```
.border{ border-color:rgb(185, 235, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(185, 235,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6888, 0.2917, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 235, 216) }
```

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

```
.background{ background-color: rgb(185,  
235, 216) }
```

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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