

# Converting Colors

$Yxy(75.2058, 0.2920, 0.3220)$

Have a look what the booklet for  
Yxy(75.2058, 0.2920, 0.3220)  
contains.

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# Color

**Yxy(74.9321, 0.2918, 0.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE5EC
RGB	204, 229, 236
RGB Percent	80%, 90%, 93%
CMY	0.2002, 0.1019, 0.0745
CMYK	0.14, 0.03, 0.00, 0.07
HSL	193°, 46%, 86%
HSV	193°, 14%, 93%
XYZ	68.0522, 74.9321, 90.2310
YIQ	222.3230, -17.1470, -3.1230

# Conversions

## Conversions Part 2

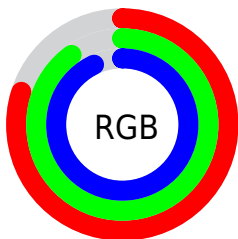
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	204, 218, 236
Decimal	13428204
CIE <sub>Lab</sub>	89.36, -6.84, -6.20
CIE <sub>LCh</sub>	89, 9.230, 222.204
Yxy	74.9321, 0.2918, 0.3213
Android (android.graphics.Color)	4291618284 (0xFFCCE5EC)
YUV	222.3230, 6.7428, -16.0693
Hunter-Lab	86.5633, -11.1571, -1.2078

# Details

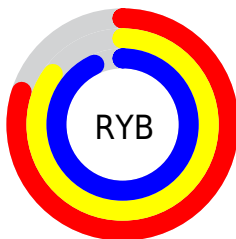
The Yxy color **74.9321, 0.2918, 0.3213** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7493, 0.3367, 0.3366**, and the grayscale version is **73.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0514, 0.2876, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **69.0458, 0.2768, 0.3150**, and if you desaturate by 10%, it is **81.4142, 0.3072, 0.3271**.

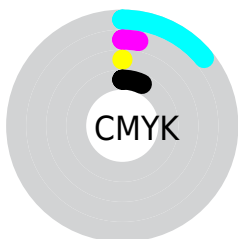
# Distribution



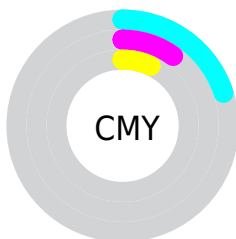
- Red (80%)
- Green (90%)
- Blue (93%)



- Red (80%)
- Yellow (85%)
- Blue (93%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (10%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9321, 0.2918, 0.3213 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 74.9321, 0.2918, 0.3213 by changing the saturation by 10% instead.



■ 74.9321, 0.2918,  
0.3213

■ 74.9321, 0.2918,  
0.3213

477.6842, 0.3014,  
0.3249

■ 55.5573, 0.2896,  
0.3205

126.2162, 0.2951,  
0.3226

■ 39.8481, 0.2870,  
0.3194

158.8943, 0.2964,  
0.3231

■ 27.4201, 0.2836,  
0.3181

196.7756, 0.2975,  
0.3235

■ 17.8890, 0.2793,  
0.3163

240.2446, 0.2985,  
0.3238

■ 10.8703, 0.2734,  
0.3139

289.6855, 0.2993,  
0.3242

■ 5.9797, 0.2650,  
0.3103

345.4828, 0.3001,

■ 2.8327, 0.2522,

0.3245

0.3045

408.0209, 0.3008,  
0.3247

1.0450, 0.2300,  
0.2938

0.0000, 0.0000,  
0.0000

74.9321, 0.2918,  
0.3213

74.9321, 0.2918,  
0.3213

69.0458, 0.2768,  
0.3150

81.4142, 0.3072,  
0.3271

63.7225, 0.2624,  
0.3082

88.5047, 0.3226,  
0.3323

58.9403, 0.2490,  
0.3009

92.2854, 0.3248,  
0.3373

54.6719, 0.2370,  
0.2933

95.4313, 0.3243,  
0.3422

■ 50.8873, 0.2265,  
0.2853

■ 98.6642, 0.3238,  
0.3471

■ 47.5529, 0.2180,  
0.2773

■ 98.8360, 0.3238,  
0.3473

■ 44.6299, 0.2114,  
0.2692

■ 42.0714, 0.2067,  
0.2612

■ 40.5743, 0.2045,  
0.2561

# Harmonies

## Analogous

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



74.9321, 0.2964, 0.3312



74.9321, 0.2918, 0.3213



74.9321, 0.2927, 0.3137

# Triad

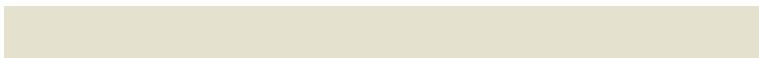
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9321, 0.2918, 0.3213



74.9321, 0.3199, 0.3178



74.9321, 0.3266, 0.3481

# Complementary

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



74.9321, 0.2918, 0.3213



68.7493, 0.3367, 0.3366

# 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.



74.9321, 0.3331, 0.3440



74.9321, 0.2918, 0.3213



74.9321, 0.3292, 0.3265

# Square

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



74.9321, 0.2918, 0.3213



74.9321, 0.3087, 0.3119



74.9321, 0.3341, 0.3361



74.9321, 0.3164, 0.3469



# Rectangle

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



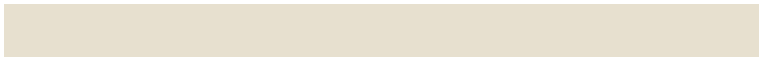
74.9321, 0.2918, 0.3213



74.9321, 0.2962, 0.3110



74.9321, 0.3341, 0.3361



74.9321, 0.3293, 0.3473

# Sweetspot

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



74.9352, 0.2918, 0.3213



96.7065, 0.3065, 0.3268



77.5196, 0.3068, 0.3570



20.5694, 0.3053, 0.3264



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

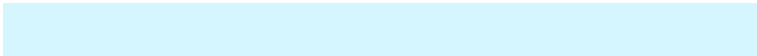


# Same Dimension

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



74.9352, 0.2918, 0.3213



87.5241, 0.2880, 0.3198



66.4945, 0.2913, 0.3034



16.5324, 0.2981, 0.3237



22.5642, 0.2048, 0.2574



1.9096, 0.2079, 0.2684



# Inverse Universe

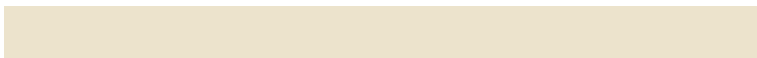
The Inverse Universe completely reimagines the original color for something new.



66.6567, 0.3192, 0.3026



76.1149, 0.3206, 0.2976



77.0849, 0.3343, 0.3534



15.2543, 0.3171, 0.3108



11.7707, 0.3850, 0.1894

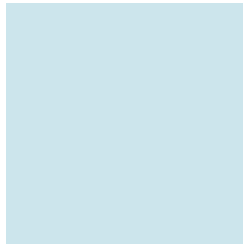


0.9382, 0.3743, 0.1836



# Previews

## White Background



This preview shows how the Yxy color 74.9321, 0.2918, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

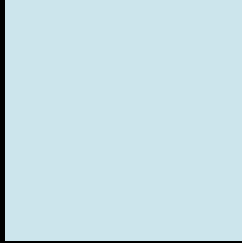
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9321, 0.2918, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

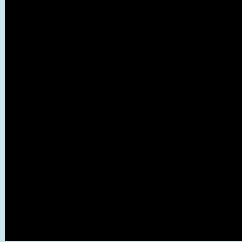
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

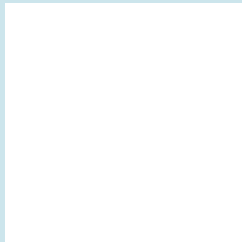
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9321, 0.2918, 0.3213**

## Background



This preview shows how black text looks on a background with the Yxy color 74.9321, 0.2918, 0.3213.

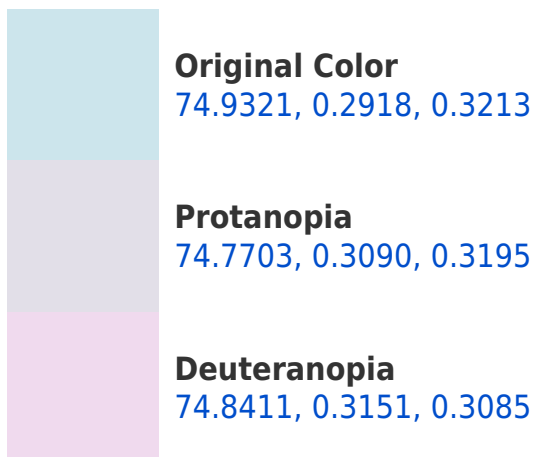


This preview shows how white text looks on a background with the Yxy color 74.9321, 0.2918, 0.3213.

# 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

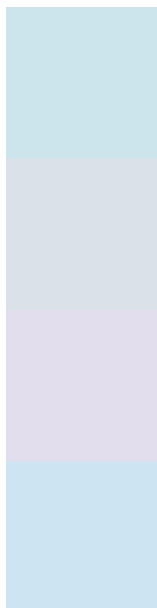




## Tritanopia

75.2624, 0.2872, 0.3096

# Trichromacy



## Original Color

74.9321, 0.2918, 0.3213

## Protanomaly

74.6390, 0.3028, 0.3204

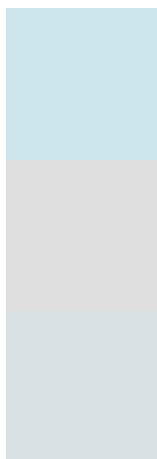
## Deuteranomaly

74.6879, 0.3065, 0.3132

## Tritanomaly

74.8767, 0.2889, 0.3138

# Monochromacy



## Original Color

74.9321, 0.2918, 0.3213

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.8436, 0.3045, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9321, 0.2918, 0.3213 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(204, 229, 236)` looks like.

```
.text, #text, p{  
    color:rgb(204, 229, 236)  
}
```

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(204, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 229, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9321, 0.2918, 0.3213 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(204, 229, 236) }
```

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

```
.border{ border-color:rgb(204, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(204, 229,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9321, 0.2918, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 229, 236) }
```

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

```
.background{ background-color: rgb(204,  
229, 236) }
```

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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