

# Converting Colors

$Yxy(75.1684, 0.2867, 0.3113)$

Have a look what the booklet for  
Yxy(75.1684, 0.2867, 0.3113)  
contains.

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# Color

**Yxy(74.9167, 0.2865, 0.3105)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCE4F5
RGB	204, 228, 245
RGB Percent	80%, 89%, 96%
CMY	0.2001, 0.1059, 0.0391
CMYK	0.17, 0.07, 0.00, 0.04
HSL	205°, 67%, 88%
HSV	205°, 17%, 96%
XYZ	69.1260, 74.9167, 97.2349
YIQ	222.7620, -19.7610, 0.1990

# Conversions

## Conversions Part 2

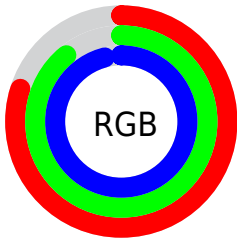
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 219, 245
Decimal	13427957
CIE <sub>Lab</sub>	89.35, -4.47, -10.95
CIE <sub>LCh</sub>	89, 11.828, 247.819
Yxy	74.9167, 0.2865, 0.3105
Android (android.graphics.Color)	4291618037 (0xFFCCE4F5)
YUV	222.7620, 10.9633, -16.4543
Hunter-Lab	86.5544, -8.9126, -6.0180

# Details

The Yxy color **74.9167, 0.2865, 0.3105** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.4962, 0.3419, 0.3468**, and the grayscale version is **73.5458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9508, 0.2801, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **66.2965, 0.2706, 0.2979**, and if you desaturate by 10%, it is **84.4166, 0.3023, 0.3219**.

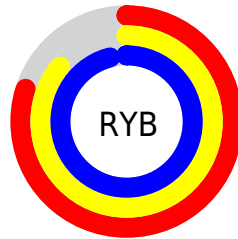
# Distribution



Red (80%)

Green (89%)

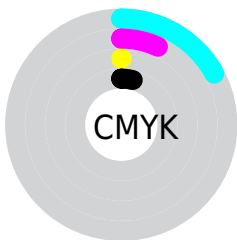
Blue (96%)



Red (80%)

Yellow (86%)

Blue (96%)

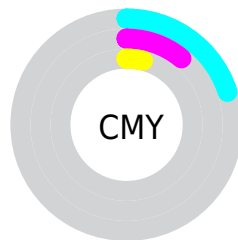


Cyan (17%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (20%)

Magenta (11%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9167, 0.2865, 0.3105 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 74.9167, 0.2865, 0.3105 by changing the saturation by 10% instead.



■ 74.9167, 0.2865,  
0.3105

■ 74.9167, 0.2865,  
0.3105

477.6312, 0.2985,  
0.3191

■ 55.5447, 0.2838,  
0.3085

126.1944, 0.2906,  
0.3135

■ 39.8380, 0.2805,  
0.3061

158.8689, 0.2922,  
0.3146

■ 27.4122, 0.2763,  
0.3030

196.7463, 0.2936,  
0.3156

■ 17.8831, 0.2709,  
0.2990

240.2111, 0.2948,  
0.3165

■ 10.8661, 0.2636,  
0.2936

289.6475, 0.2959,  
0.3173

■ 5.9768, 0.2534,  
0.2857

345.4401, 0.2969,

■ 2.8310, 0.2377,

0.3179

0.2735

407.9732, 0.2977,  
0.3185

1.0442, 0.2113,  
0.2520

0.0000, 0.0000,  
0.0000

74.9167, 0.2865,  
0.3105

74.9167, 0.2865,  
0.3105

66.2965, 0.2706,  
0.2979

84.4166, 0.3023,  
0.3219

58.5157, 0.2548,  
0.2841

94.8161, 0.3176,  
0.3322

51.5442, 0.2396,  
0.2694

99.3751, 0.3185,  
0.3385

45.3462, 0.2254,  
0.2538

■ 39.8824, 0.2126,  
0.2377

■ 35.1089, 0.2017,  
0.2213

■ 30.9751, 0.1930,  
0.2052

■ 27.4185, 0.1864,  
0.1895

■ 26.3599, 0.1846,  
0.1845

# Harmonies

## Analogous

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



74.9167, 0.2864, 0.3208



74.9167, 0.2865, 0.3105



74.9167, 0.2934, 0.3054

# Triad

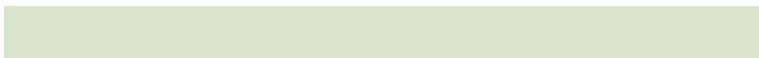
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9167, 0.2865, 0.3105



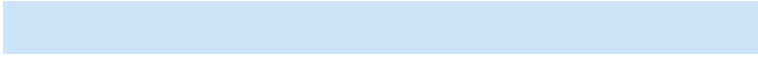
74.9167, 0.3324, 0.3240



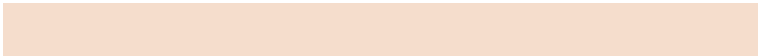
74.9167, 0.3195, 0.3527

# Complementary

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



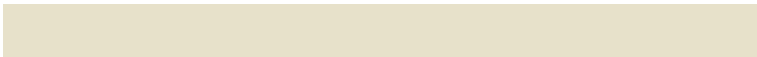
74.9167, 0.2865, 0.3105



75.4962, 0.3419, 0.3468

# 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.



74.9167, 0.3321, 0.3531



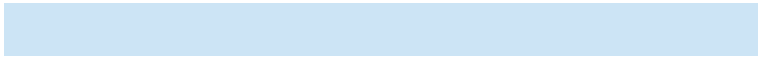
74.9167, 0.2865, 0.3105



74.9167, 0.3397, 0.3363

# Square

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



74.9167, 0.2865, 0.3105



74.9167, 0.3198, 0.3133



74.9167, 0.3396, 0.3469



74.9167, 0.3053, 0.3456



# Rectangle

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



74.9167, 0.2865, 0.3105



74.9167, 0.3011, 0.3055



74.9167, 0.3396, 0.3469



74.9167, 0.3240, 0.3537

# Sweetspot

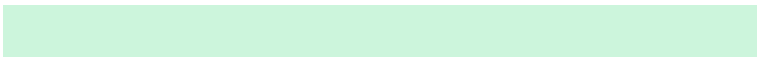
The Sweet Spot groups the original color and five complimentary colors.



74.9198, 0.2865, 0.3105



94.3335, 0.3050, 0.3238



83.3522, 0.3011, 0.3558



20.0251, 0.3039, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

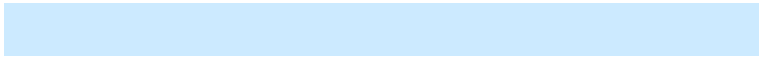


# Same Dimension

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



74.9198, 0.2865, 0.3105



78.8150, 0.2813, 0.3065



64.5809, 0.2855, 0.2882



17.5383, 0.2980, 0.3189



14.4751, 0.1853, 0.1870



1.4747, 0.1907, 0.2066



# Inverse Universe

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



68.1959, 0.3268, 0.3042



70.3774, 0.3301, 0.2992



86.6501, 0.3386, 0.3667



16.6452, 0.3202, 0.3152



11.5606, 0.4602, 0.2309

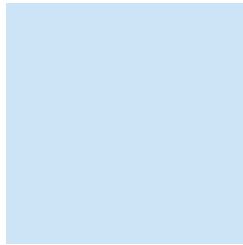


1.0365, 0.4379, 0.2186



# Previews

## White Background



This preview shows how the Yxy color 74.9167, 0.2865, 0.3105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

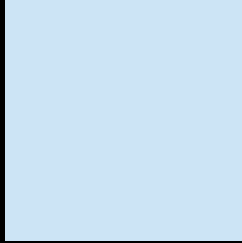
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9167, 0.2865, 0.3105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

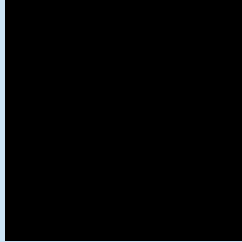
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

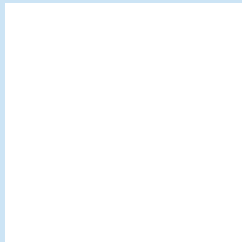
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9167, 0.2865, 0.3105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9167, 0.2865, 0.3105.

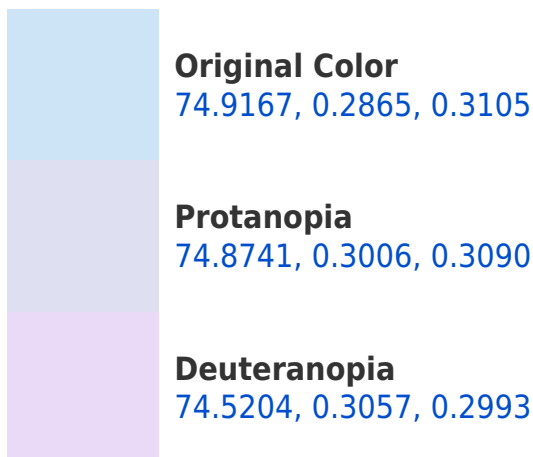


This preview shows how white text looks on a background with the Yxy color 74.9167, 0.2865, 0.3105.

# 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

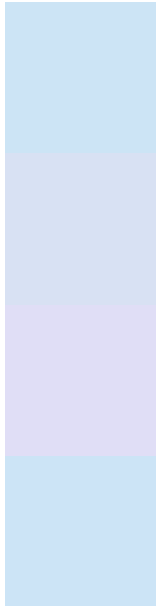




## Tritanopia

74.9780, 0.2860, 0.3095

# Trichromacy



## Original Color

74.9167, 0.2865, 0.3105

## Protanomaly

74.9204, 0.2953, 0.3098

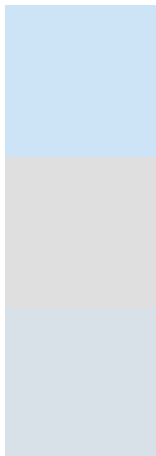
## Deuteranomaly

74.7437, 0.2988, 0.3039

## Tritanomaly

74.9780, 0.2860, 0.3095

# Monochromacy



## Original Color

74.9167, 0.2865, 0.3105

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.2189, 0.3027, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9167, 0.2865, 0.3105 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, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(204, 228, 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(204, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 228, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9167, 0.2865, 0.3105 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, 228, 245) }
```

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

```
.border{ border-color:rgb(204, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(204, 228,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9167, 0.2865, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 228, 245) }
```

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

```
.background{ background-color: rgb(204,  
228, 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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