

# Converting Colors

$Yxy(74.8721, 0.2942, 0.3289)$

Have a look what the booklet for  
Yxy(74.8721, 0.2942, 0.3289)  
contains.

<b>Yxy(74.8634, 0.2941, 0.3289)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.8634, 0.2941, 0.3289)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAE6E6
RGB	202, 230, 230
RGB Percent	79%, 90%, 90%
CMY	0.2078, 0.0980, 0.0979
CMYK	0.12, 0.00, 0.00, 0.10
HSL	180°, 36%, 85%
HSV	180°, 12%, 90%
XYZ	66.9423, 74.8634, 85.8118
YIQ	221.6280, -16.6880, -5.9360

# Conversions

## Conversions Part 2

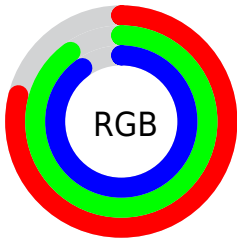
Format	Color
RYP	202, 216, 230
Decimal	13297382
CIELab	89.33, -9.14, -3.14
CIElCh	89, 9.667, 198.939
Yxy	74.8634, 0.2941, 0.3289
Android (android.graphics.Color)	4291487462 (0xFFCAE6E6)
YUV	221.6280, 4.1274, -17.2138
Hunter-Lab	86.5236, -13.3130, 1.7643

# Details

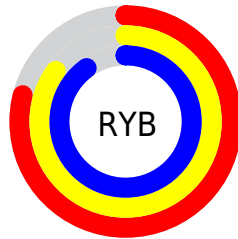
The Yxy color **74.8634, 0.2941, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.3572, 0.3347, 0.3291**, and the grayscale version is **72.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.6631, 0.2897, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **71.8754, 0.2798, 0.3288**, and if you desaturate by 10%, it is **78.3360, 0.3093, 0.3290**.

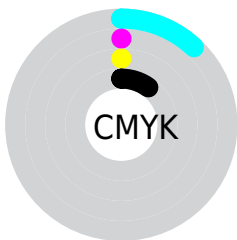
# Distribution



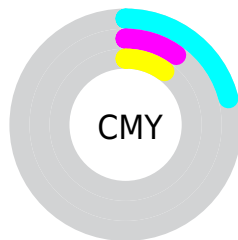
- Red (79%)
- Green (90%)
- Blue (90%)



- Red (79%)
- Yellow (85%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (21%)
- Magenta (10%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8634, 0.2941, 0.3289 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 74.8634, 0.2941, 0.3289 by changing the saturation by 10% instead.




 74.8634, 0.2941,  
0.3289

 74.8634, 0.2941,  
0.3289


477.4479, 0.3026,  
0.3290

 55.5010, 0.2922,  
0.3289


126.1190, 0.2970,  
0.3290

 39.8030, 0.2898,  
0.3288


158.7809, 0.2982,  
0.3290

 27.3850, 0.2868,  
0.3287


196.6449, 0.2992,  
0.3290

 17.8626, 0.2829,  
0.3286

240.0952, 0.3001,  
0.3290

 10.8514, 0.2776,  
0.3284

289.5162, 0.3008,  
0.3290

 5.9670, 0.2700,  
0.3280

345.2924, 0.3015,

 2.8250, 0.2584,

0.3290

407.8082, 0.3021,  
0.3290

0.3273

1.0411, 0.2374,  
0.3258

0.0000, 0.0000,  
0.0000

74.8634, 0.2941,  
0.3289

74.8634, 0.2941,  
0.3289

71.8754, 0.2798,  
0.3288

78.3360, 0.3093,  
0.3290

69.3415, 0.2668,  
0.3287


82.3035, 0.3251,  
0.3291

67.2421, 0.2553,  
0.3287

83.6218, 0.3300,  
0.3291


65.5528, 0.2455,  
0.3286


83.6394, 0.3300,  
0.3291


 64.2463, 0.2376,  
0.3285


 83.6571, 0.3300,  
0.3292


 63.2924, 0.2317,  
0.3285


 83.6748, 0.3300,  
0.3292

 62.6563, 0.2277,  
0.3284

 83.6924, 0.3300,  
0.3292

 62.2960, 0.2254,  
0.3284

 83.7101, 0.3300,  
0.3293

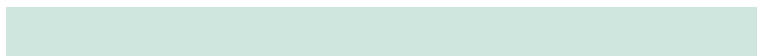
 62.1539, 0.2245,  
0.3283

 83.7278, 0.3300,  
0.3293

# Harmonies

## Analogous

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



74.8634, 0.3026, 0.3392



74.8634, 0.2941, 0.3289



74.8634, 0.2905, 0.3188

# Triad

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



74.8634, 0.2941, 0.3289



74.8634, 0.3112, 0.3121



74.8634, 0.3330, 0.3461

# Complementary

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



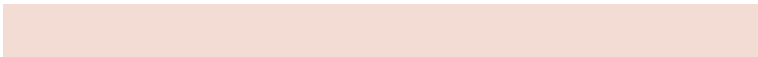
74.8634, 0.2941, 0.3289



63.3572, 0.3347, 0.3291

# 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.



74.8634, 0.3355, 0.3385



74.8634, 0.2941, 0.3289



74.8634, 0.3227, 0.3191

# Square

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



74.8634, 0.2941, 0.3289



74.8634, 0.3002, 0.3094



74.8634, 0.3317, 0.3287



74.8634, 0.3251, 0.3492



# Rectangle

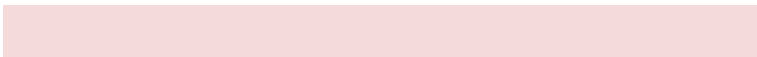
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8634, 0.2941, 0.3289



74.8634, 0.2913, 0.3137



74.8634, 0.3317, 0.3287



74.8634, 0.3345, 0.3440

# Sweetspot

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



74.8665, 0.2941, 0.3289



98.1076, 0.3065, 0.3290



73.4374, 0.3112, 0.3609



20.9253, 0.3053, 0.3290



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.



74.8665, 0.2941, 0.3289



93.4198, 0.2899, 0.3289



67.3968, 0.2938, 0.3132



16.3328, 0.2982, 0.3289



35.1764, 0.2245, 0.3283



2.6005, 0.2246, 0.3284



# Inverse Universe

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



64.7875, 0.3141, 0.2991



77.9735, 0.3145, 0.2918



70.2177, 0.3328, 0.3443



14.6149, 0.3138, 0.3059



12.7488, 0.3213, 0.1543

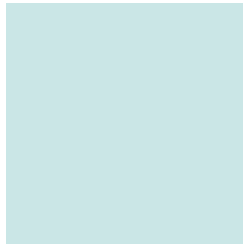


0.9422, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 74.8634, 0.2941, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

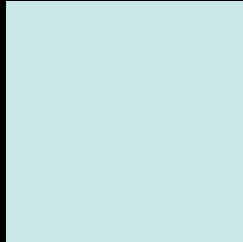
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8634, 0.2941, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

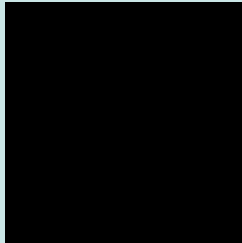
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

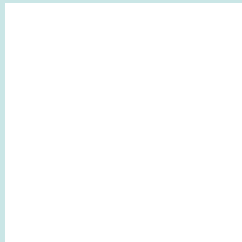
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8634, 0.2941, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8634, 0.2941, 0.3289.

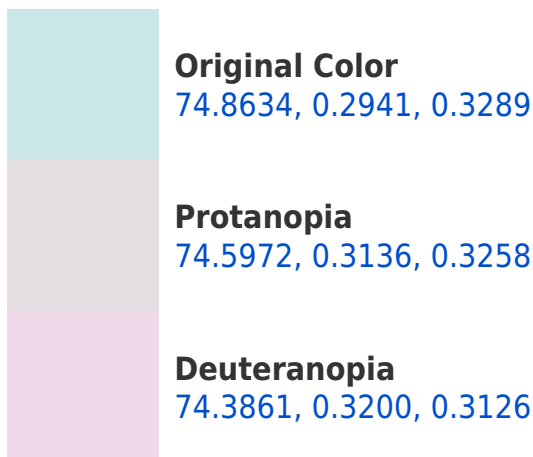


This preview shows how white text looks on a background with the Yxy color 74.8634, 0.2941, 0.3289.

# 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

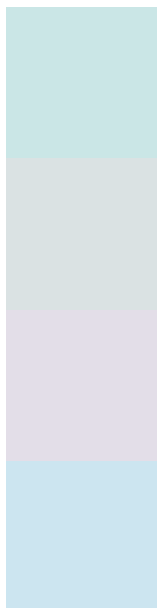




## Tritanopia

75.1198, 0.2866, 0.3095

# Trichromacy



## Original Color

74.8634, 0.2941, 0.3289

## Protanomaly

74.8442, 0.3066, 0.3279

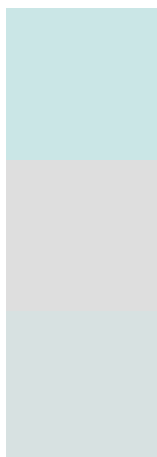
## Deuteranomaly

74.3996, 0.3097, 0.3184

## Tritanomaly

75.1673, 0.2895, 0.3170

# Monochromacy



## Original Color

74.8634, 0.2941, 0.3289

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.7337, 0.3058, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8634, 0.2941, 0.3289 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(202, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 230, 230)  
}
```

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(202, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 230, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8634, 0.2941, 0.3289 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(202, 230, 230) }
```

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

```
.border{ border-color:rgb(202, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 230,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8634, 0.2941, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 230, 230) }
```

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

```
.background{ background-color: rgb(202,  
230, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor