

# Converting Colors

$Yxy(74.5195, 0.2993, 0.3285)$

Have a look what the booklet for  
Yxy(74.5195, 0.2993, 0.3285)  
contains.

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# Color

**Yxy(74.4981, 0.2992, 0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0E4E4
RGB	208, 228, 228
RGB Percent	82%, 89%, 89%
CMY	0.1844, 0.1058, 0.1060
CMYK	0.09, 0.00, 0.00, 0.11
HSL	180°, 27%, 85%
HSV	180°, 9%, 89%
XYZ	67.7502, 74.4981, 84.1896
YIQ	222.0200, -11.9200, -4.2400

# Conversions

## Conversions Part 2

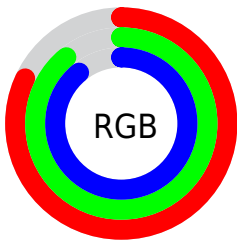
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 218, 228
Decimal	13690084
CIE Lab	89.16, -6.62, -2.26
CIE LCh	89, 6.997, 198.861
Yxy	74.4981, 0.2992, 0.3290
Android (android.graphics.Color)	4291880164 (0xFFD0E4E4)
YUV	222.0200, 2.9481, -12.2955
Hunter-Lab	86.3123, -10.9341, 2.5867

# Details

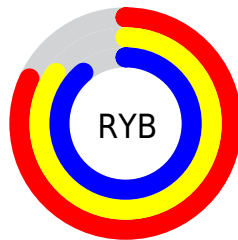
The Yxy color **74.4981, 0.2992, 0.3290** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.1487, 0.3279, 0.3290**, and the grayscale version is **73.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7743, 0.2962, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **71.4285, 0.2846, 0.3290**, and if you desaturate by 10%, it is **78.0491, 0.3146, 0.3290**.

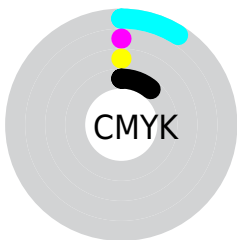
# Distribution



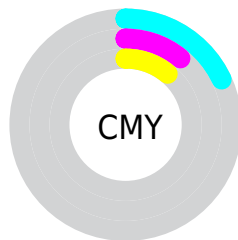
- Red (82%)
- Green (89%)
- Blue (89%)



- Red (82%)
- Yellow (85%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4981, 0.2992, 0.3290 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 74.4981, 0.2992, 0.3290 by changing the saturation by 10% instead.



■ 74.4981, 0.2992,  
0.3290

■ 74.4981, 0.2992,  
0.3290

476.1907, 0.3054,  
0.3290

■ 55.2018, 0.2978,  
0.3290

125.6016, 0.3013,  
0.3290

■ 39.5633, 0.2960,  
0.3290

158.1777, 0.3022,  
0.3290

■ 27.1982, 0.2939,  
0.3289

195.9491, 0.3029,  
0.3290

■ 17.7222, 0.2910,  
0.3289

239.3003, 0.3035,  
0.3290

■ 10.7507, 0.2871,  
0.3288

288.6157, 0.3041,  
0.3290

■ 5.8995, 0.2815,  
0.3286

344.2796, 0.3046,

■ 2.7840, 0.2728,

0.3290

406.6765, 0.3050,  
0.3290

0.3282

1.0201, 0.2574,  
0.3274

0.0000, 0.0000,  
0.0000

74.4981, 0.2992,  
0.3290

74.4981, 0.2992,  
0.3290

71.4285, 0.2846,  
0.3290

78.0491, 0.3146,  
0.3290

68.8106, 0.2712,  
0.3290


82.0910, 0.3306,  
0.3290

66.6261, 0.2591,  
0.3291

82.3628, 0.3315,  
0.3290


64.8514, 0.2488,  
0.3291


82.3653, 0.3315,  
0.3289

 63.4611, 0.2403,  
0.3291


 82.3677, 0.3315,  
0.3289


 62.4266, 0.2337,  
0.3292

 82.3701, 0.3314,  
0.3288

 61.7157, 0.2291,  
0.3292

 82.3726, 0.3314,  
0.3288

 61.2899, 0.2262,  
0.3293

 82.3750, 0.3314,  
0.3287

 61.0914, 0.2249,  
0.3293

 82.3775, 0.3314,  
0.3287

# Harmonies

## Analogous

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



74.4981, 0.3054, 0.3364



74.4981, 0.2992, 0.3290



74.4981, 0.2966, 0.3217

# Triad

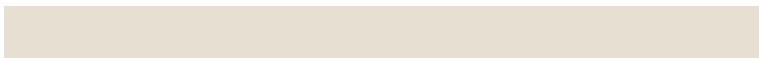
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4981, 0.2992, 0.3290



74.4981, 0.3116, 0.3167



74.4981, 0.3274, 0.3414

# Complementary

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



74.4981, 0.2992, 0.3290



66.1487, 0.3279, 0.3290

# 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.



74.4981, 0.3292, 0.3360



74.4981, 0.2992, 0.3290



74.4981, 0.3200, 0.3218

# Square

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



74.4981, 0.2992, 0.3290



74.4981, 0.3036, 0.3147



74.4981, 0.3264, 0.3288



74.4981, 0.3217, 0.3436



# Rectangle

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



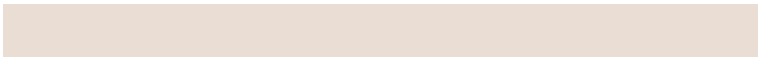
74.4981, 0.2992, 0.3290



74.4981, 0.2972, 0.3179



74.4981, 0.3264, 0.3288



74.4981, 0.3285, 0.3399

# Sweetspot

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



74.5012, 0.2992, 0.3290



98.5769, 0.3080, 0.3290



73.5022, 0.3119, 0.3515



21.0202, 0.3068, 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.



74.5012, 0.2992, 0.3290



95.0593, 0.2958, 0.3290



69.3208, 0.2991, 0.3182



16.3359, 0.2982, 0.3290



35.2608, 0.2248, 0.3293



2.6058, 0.2248, 0.3292

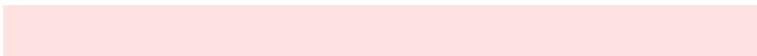


# Inverse Universe

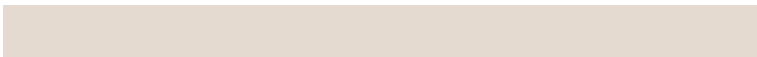
The Inverse Universe completely reimagines the original color for something new.



66.1487, 0.3279, 0.3290



81.7171, 0.3324, 0.3290



71.0154, 0.3269, 0.3396



14.3685, 0.3292, 0.3290



9.5250, 0.6399, 0.3299

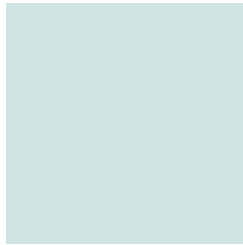


0.7040, 0.6393, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 74.4981, 0.2992, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

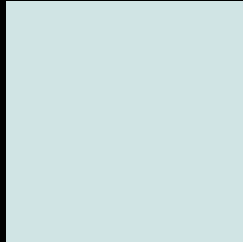
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4981, 0.2992, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

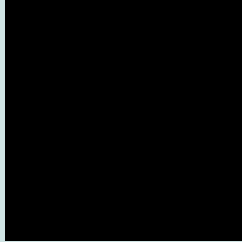
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

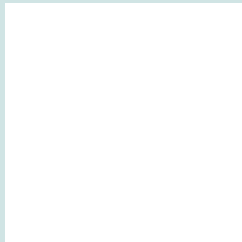
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4981, 0.2992, 0.3290**

## Background



This preview shows how black text looks on a background with the Yxy color 74.4981, 0.2992, 0.3290.

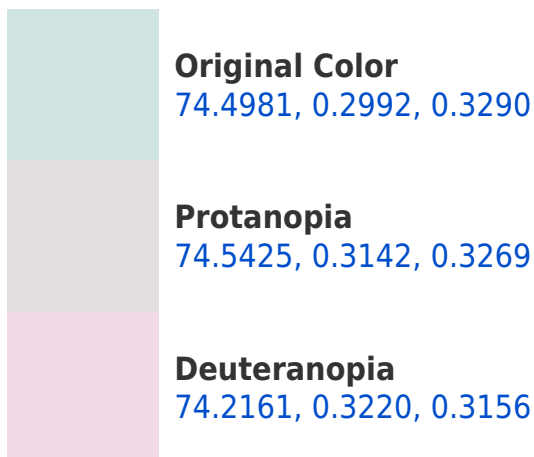


This preview shows how white text looks on a background with the Yxy color 74.4981, 0.2992, 0.3290.

# 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

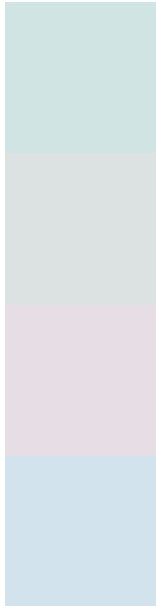




## Tritanopia

74.7733, 0.2915, 0.3097

# Trichromacy



## Original Color

74.4981, 0.2992, 0.3290

## Protanomaly

74.5571, 0.3086, 0.3279

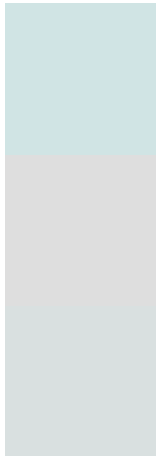
## Deuteranomaly

74.1930, 0.3138, 0.3206

## Tritanomaly

74.8129, 0.2945, 0.3171

# Monochromacy



## Original Color

74.4981, 0.2992, 0.3290

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.4448, 0.3078, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4981, 0.2992, 0.3290 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(208, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(208, 228, 228)  
}
```

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(208, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 228, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4981, 0.2992, 0.3290 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(208, 228, 228) }
```

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

```
.border{ border-color:rgb(208, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(208, 228,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4981, 0.2992, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 228, 228) }
```

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

```
.background{ background-color: rgb(208,  
228, 228) }
```

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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