

# Converting Colors

$Yxy(75.8516, 0.2984, 0.3290)$

Have a look what the booklet for  
Yxy(75.8516, 0.2984, 0.3290)  
contains.

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# Color

**Yxy(75.8621, 0.2987, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E6E6
RGB	209, 230, 230
RGB Percent	82%, 90%, 90%
CMY	0.1803, 0.0980, 0.0982
CMYK	0.09, 0.00, 0.00, 0.10
HSL	180°, 30%, 86%
HSV	180°, 9%, 90%
XYZ	68.8754, 75.8621, 85.8464
YIQ	223.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

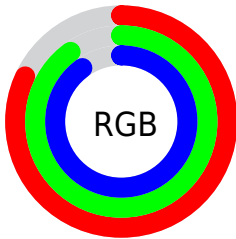
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 220, 230
Decimal	13756134
CIE Lab	89.80, -6.91, -2.36
CIE LCh	90, 7.303, 198.840
Yxy	75.8621, 0.2987, 0.3290
Android (android.graphics.Color)	4291946214 (0xFFD1E6E6)
YUV	223.7210, 3.0955, -12.9103
Hunter-Lab	87.0989, -11.2700, 2.5318

# Details

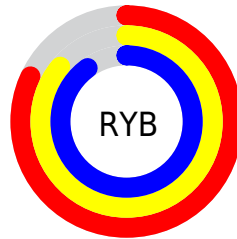
The Yxy color  $75.8621, 0.2987, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $67.0452, 0.3286, 0.3290$ , and the grayscale version is  $74.3194, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $40.6251, 0.2947, 0.3289$  is the 20% darker color. If you saturate the color by 10%, you get  $72.7460, 0.2841, 0.3290$ , and if you desaturate by 10%, it is  $79.4689, 0.3141, 0.3290$ .

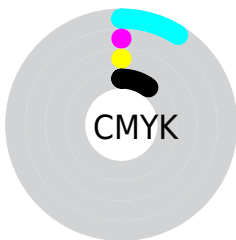
# Distribution



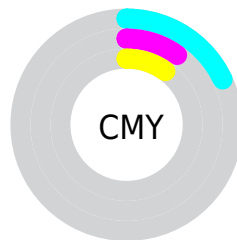
- Red (82%)
- Green (90%)
- Blue (90%)



- Red (82%)
- Yellow (86%)
- Blue (90%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (18%)
- Magenta (10%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8621, 0.2987, 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 75.8621, 0.2987, 0.3290 by changing the saturation by 10% instead.




 75.8621, 0.2987,  
0.3290

 75.8621, 0.2987,  
0.3290

480.8755, 0.3051,  
0.3290

 56.3194, 0.2972,  
0.3290


127.5320, 0.3009,  
0.3290

 40.4591, 0.2955,  
0.3290

160.4279, 0.3018,  
0.3290

 27.8967, 0.2932,  
0.3289


198.5438, 0.3025,  
0.3290

 18.2478, 0.2903,  
0.3289

242.2640, 0.3032,  
0.3290

 11.1280, 0.2863,  
0.3288

291.9729, 0.3038,  
0.3290

 6.1530, 0.2806,  
0.3286

348.0548, 0.3043,

 2.9383, 0.2719,

0.3290

410.8942, 0.3047,  
0.3290

0.3282

1.0996, 0.2566,  
0.3273

0.0000, 0.0000,  
0.0000

75.8621, 0.2987,  
0.3290

75.8621, 0.2987,  
0.3290

72.7460, 0.2841,  
0.3290

79.4689, 0.3141,  
0.3290

70.0904, 0.2707,  
0.3290

83.5707, 0.3300,  
0.3290

67.8763, 0.2588,  
0.3291

83.5732, 0.3300,  
0.3290

66.0797, 0.2485,  
0.3291

83.5757, 0.3300,  
0.3289

64.6746, 0.2400,  
0.3291

83.5782, 0.3299,  
0.3289

63.6316, 0.2335,  
0.3292

83.5806, 0.3299,  
0.3288

62.9175, 0.2289,  
0.3292

83.5831, 0.3299,  
0.3288

62.4930, 0.2262,  
0.3293

83.5856, 0.3298,  
0.3287

62.2966, 0.2249,  
0.3293

83.5881, 0.3298,  
0.3287

# Harmonies

## Analogous

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



75.8621, 0.3052, 0.3367



75.8621, 0.2987, 0.3290



75.8621, 0.2960, 0.3214

# Triad

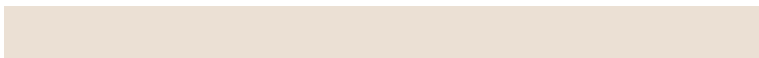
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8621, 0.2987, 0.3290



75.8621, 0.3116, 0.3162



75.8621, 0.3280, 0.3419

# Complementary

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



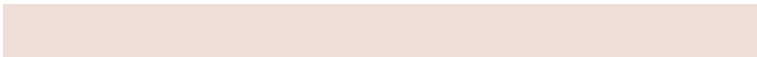
75.8621, 0.2987, 0.3290



67.0452, 0.3286, 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.



75.8621, 0.3298, 0.3362



75.8621, 0.2987, 0.3290



75.8621, 0.3202, 0.3215

# Square

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



75.8621, 0.2987, 0.3290



75.8621, 0.3033, 0.3142



75.8621, 0.3269, 0.3288



75.8621, 0.3221, 0.3442



# Rectangle

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



75.8621, 0.2987, 0.3290



75.8621, 0.2966, 0.3175



75.8621, 0.3269, 0.3288



75.8621, 0.3291, 0.3403

# Sweetspot

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



75.8653, 0.2987, 0.3290



98.5769, 0.3080, 0.3290



74.8102, 0.3119, 0.3524



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.



75.8653, 0.2987, 0.3290



95.0593, 0.2958, 0.3290



70.3883, 0.2986, 0.3178



16.3359, 0.2982, 0.3290



35.2608, 0.2248, 0.3293



2.6058, 0.2248, 0.3292

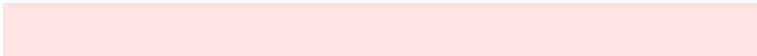


# Inverse Universe

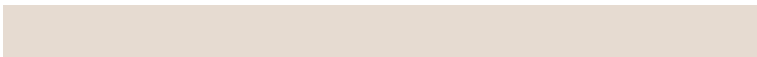
The Inverse Universe completely reimagines the original color for something new.



67.0452, 0.3286, 0.3290



81.7171, 0.3324, 0.3290



72.1778, 0.3275, 0.3400



14.3685, 0.3292, 0.3290



9.5250, 0.6399, 0.3299

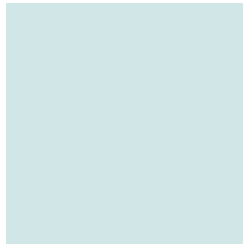


0.7040, 0.6393, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 75.8621, 0.2987, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

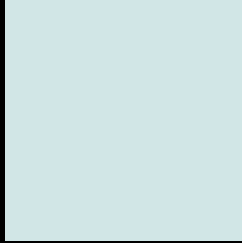
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.8621, 0.2987, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

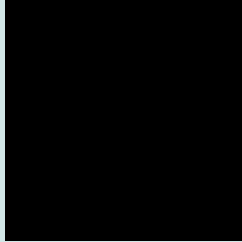
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

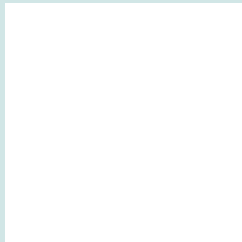
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.8621, 0.2987, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8621, 0.2987, 0.3290.

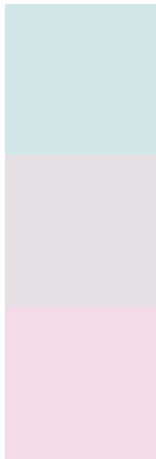


This preview shows how white text looks on a background with the Yxy color 75.8621, 0.2987, 0.3290.

# 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

**Original Color**

75.8621, 0.2987, 0.3290

**Protanopia**

75.5154, 0.3143, 0.3258

**Deuteranopia**

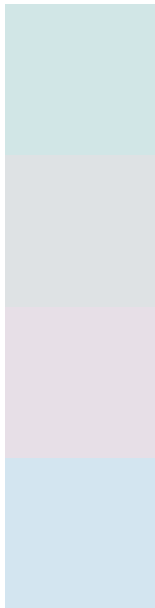
75.7223, 0.3219, 0.3157



## Tritanopia

76.1377, 0.2910, 0.3098

# Trichromacy



## Original Color

75.8621, 0.2987, 0.3290

## Protanomaly

75.5237, 0.3087, 0.3269

## Deuteranomaly

75.5338, 0.3131, 0.3206

## Tritanomaly

76.1788, 0.2940, 0.3171

# Monochromacy



## Original Color

75.8621, 0.2987, 0.3290

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.9438, 0.3079, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8621, 0.2987, 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(209, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 230, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8621, 0.2987, 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(209, 230, 230) }
```

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

```
.border{ border-color:rgb(209, 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(209, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 230,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8621, 0.2987, 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(209, 230, 230) }
```

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

```
.background{ background-color: rgb(209,  
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](#).

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