

# Converting Colors

$Yxy(77.9751, 0.2967, 0.3293)$

Have a look what the booklet for  
Yxy(77.9751, 0.2967, 0.3293)  
contains.

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# Color

**Yxy(77.7163, 0.2969, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E9E9
RGB	209, 233, 233
RGB Percent	82%, 91%, 91%
CMY	0.1805, 0.0862, 0.0864
CMYK	0.10, 0.00, 0.00, 0.09
HSL	180°, 35%, 87%
HSV	180°, 10%, 91%
XYZ	70.1336, 77.7163, 88.3698
YIQ	225.8240, -14.3040, -5.0880

# Conversions

## Conversions Part 2

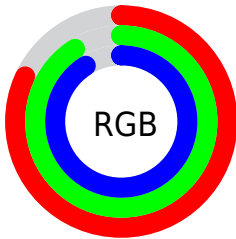
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 221, 233
Decimal	13756905
CIE Lab	90.65, -7.88, -2.68
CIE LCh	91, 8.321, 198.767
Yxy	77.7163, 0.2969, 0.3290
Android (android.graphics.Color)	4291946985 (0xFFD1E9E9)
YUV	225.8240, 3.5378, -14.7546
Hunter-Lab	88.1568, -12.2679, 2.2766

# Details

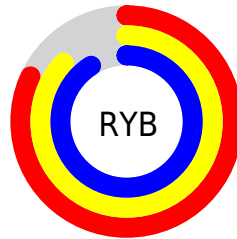
The Yxy color  $77.7163, 0.2969, 0.3290$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $67.5236, 0.3309, 0.3290$ , and the grayscale version is  $75.8999, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.4886, 0.2932, 0.3289$  is the 20% darker color. If you saturate the color by 10%, you get  $74.5635, 0.2825, 0.3290$ , and if you desaturate by 10%, it is  $81.3727, 0.3122, 0.3290$ .

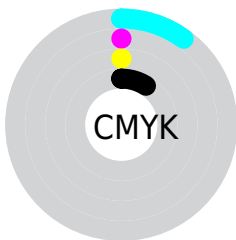
# Distribution



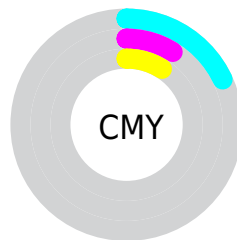
- Red (82%)
- Green (91%)
- Blue (91%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



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



- Cyan (18%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7163, 0.2969, 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 77.7163, 0.2969, 0.3290 by changing the saturation by 10% instead.



■ 77.7163, 0.2969,  
0.3290

■ 77.7163, 0.2969,  
0.3290

487.2028, 0.3041,  
0.3291

■ 57.8410, 0.2953,  
0.3290

130.1501, 0.2994,  
0.3290

■ 41.6808, 0.2933,  
0.3289

163.4774, 0.3004,  
0.3290

■ 28.8514, 0.2908,  
0.3289

202.0574, 0.3012,  
0.3290

■ 18.9685, 0.2875,  
0.3288

246.2746, 0.3019,  
0.3290

■ 11.6475, 0.2831,  
0.3287

296.5133, 0.3026,  
0.3290

■ 6.5041, 0.2769,  
0.3285

353.1580, 0.3031,

■ 3.1540, 0.2674,

0.3290

416.5930, 0.3037,  
0.3291

0.3280

1.2126, 0.2511,  
0.3270

0.0720, 0.0000,  
0.2133

77.7163, 0.2969,  
0.3290

77.7163, 0.2969,  
0.3290

74.5635, 0.2825,  
0.3290

81.3727, 0.3122,  
0.3290

71.8830, 0.2692,  
0.3290

85.4317, 0.3277,  
0.3290


69.6549, 0.2574,  
0.3291


85.4342, 0.3277,  
0.3290

67.8544, 0.2473,  
0.3291

85.4367, 0.3277,  
0.3289


 66.4540, 0.2391,  
0.3291

 85.4392, 0.3276,  
0.3289

 65.4232, 0.2328,  
0.3292

 85.4417, 0.3276,  
0.3288

 64.7270, 0.2285,  
0.3292

 85.4442, 0.3276,  
0.3288

 64.3237, 0.2259,  
0.3293

 85.4468, 0.3275,  
0.3287

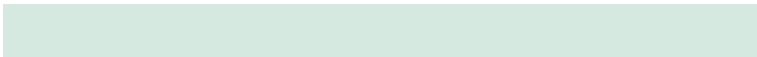
 64.1441, 0.2248,  
0.3293

 85.4493, 0.3275,  
0.3287

# Harmonies

## Analogous

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



77.7163, 0.3042, 0.3377



77.7163, 0.2969, 0.3290



77.7163, 0.2938, 0.3204

# Triad

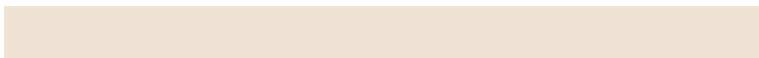
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7163, 0.2969, 0.3290



77.7163, 0.3114, 0.3146



77.7163, 0.3300, 0.3436

# Complementary

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



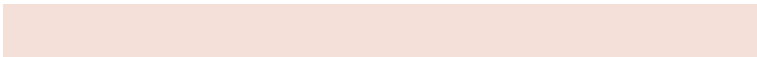
77.7163, 0.2969, 0.3290



67.5236, 0.3309, 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.



77.7163, 0.3320, 0.3371



77.7163, 0.2969, 0.3290



77.7163, 0.3212, 0.3205

# Square

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



77.7163, 0.2969, 0.3290



77.7163, 0.3020, 0.3123



77.7163, 0.3288, 0.3287



77.7163, 0.3233, 0.3462



# Rectangle

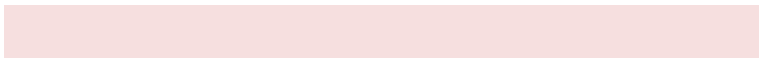
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7163, 0.2969, 0.3290



77.7163, 0.2945, 0.3160



77.7163, 0.3288, 0.3287



77.7163, 0.3313, 0.3418

# Sweetspot

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



77.7196, 0.2969, 0.3290



98.5769, 0.3080, 0.3290



76.4993, 0.3117, 0.3557



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.



77.7196, 0.2969, 0.3290



94.6476, 0.2943, 0.3290



71.3606, 0.2967, 0.3162



17.1214, 0.2982, 0.3290



36.3923, 0.2248, 0.3293



2.8578, 0.2248, 0.3292



# Inverse Universe

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



67.5236, 0.3309, 0.3290



80.1933, 0.3345, 0.3290



73.4293, 0.3295, 0.3415



15.0545, 0.3293, 0.3290



9.8306, 0.6399, 0.3299

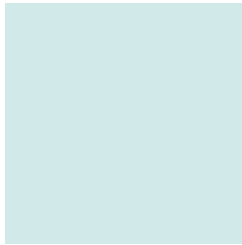


0.7721, 0.6393, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 77.7163, 0.2969, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

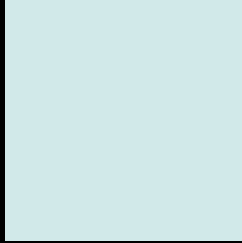
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7163, 0.2969, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

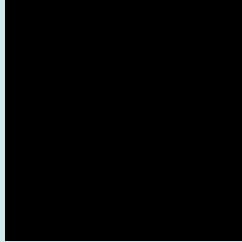
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

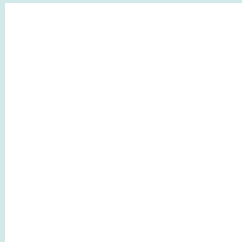
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.7163, 0.2969, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7163, 0.2969, 0.3290.

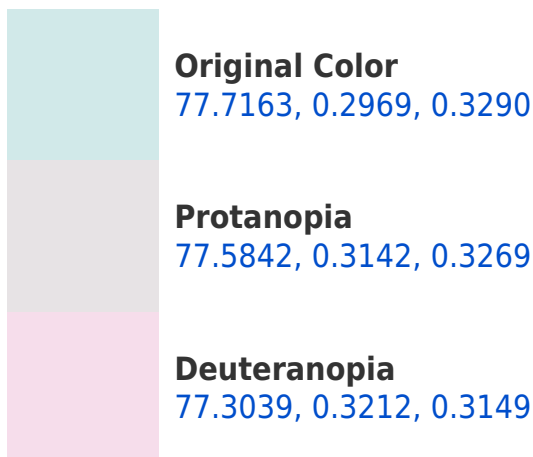


This preview shows how white text looks on a background with the Yxy color 77.7163, 0.2969, 0.3290.

# 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

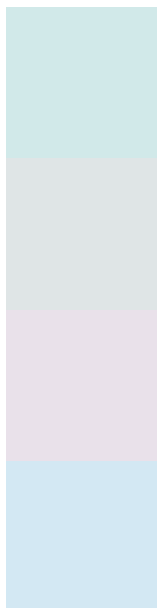




## Tritanopia

77.9884, 0.2894, 0.3099

# Trichromacy



## Original Color

77.7163, 0.2969, 0.3290

## Protanomaly

77.4398, 0.3080, 0.3279

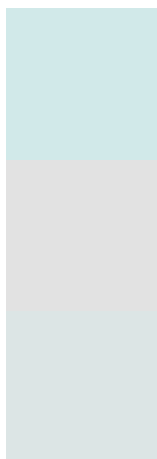
## Deuteranomaly

77.1146, 0.3125, 0.3196

## Tritanomaly

78.0332, 0.2923, 0.3172

# Monochromacy



## Original Color

77.7163, 0.2969, 0.3290

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.9114, 0.3066, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7163, 0.2969, 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, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7163, 0.2969, 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, 233, 233) }
```

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

```
.border{ border-color:rgb(209, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7163, 0.2969, 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, 233, 233) }
```

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

```
.background{ background-color: rgb(209,  
233, 233) }
```

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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