

# Converting Colors

$Yxy(77.6027, 0.2981, 0.3311)$

Have a look what the booklet for  
Yxy(77.6027, 0.2981, 0.3311)  
contains.

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# Color

**Yxy(77.6027, 0.2981, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E9E7
RGB	209, 233, 231
RGB Percent	82%, 91%, 91%
CMY	0.1802, 0.0863, 0.0941
CMYK	0.10, 0.00, 0.01, 0.09
HSL	175°, 35%, 87%
HSV	175°, 10%, 91%
XYZ	69.8682, 77.6027, 86.9075
YIQ	225.5960, -13.6620, -5.7100

# Conversions

## Conversions Part 2

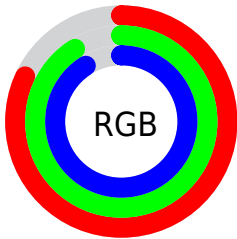
Format	Color
R <sub>Y</sub> B	209, 222, 233
Decimal	13756903
CIE Lab	90.60, -8.23, -1.73
CIE LCh	91, 8.406, 191.891
Yxy	77.6027, 0.2981, 0.3311
Android (android.graphics.Color)	4291946983 (0xFFD1E9E7)
YUV	225.5960, 2.6642, -14.5547
Hunter-Lab	88.0924, -12.5890, 3.1721

# Details

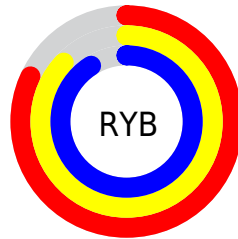
The Yxy color **77.6027, 0.2981, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6507, 0.3295, 0.3269**, and the grayscale version is **75.7419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4095, 0.2947, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **74.3432, 0.2846, 0.3333**, and if you desaturate by 10%, it is **81.3669, 0.3123, 0.3291**.

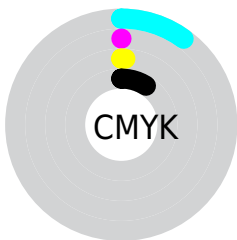
# Distribution



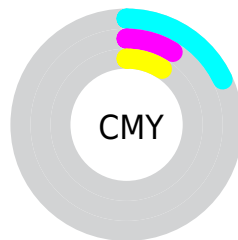
- Red (82%)
- Green (91%)
- Blue (91%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6027, 0.2981, 0.3311 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 77.6027, 0.2981, 0.3311 by changing the saturation by 10% instead.



■ 77.6027, 0.2981,  
0.3311

■ 77.6027, 0.2981,  
0.3311

486.8165, 0.3048,  
0.3302

■ 57.7477, 0.2966,  
0.3313

129.9899, 0.3004,  
0.3308

■ 41.6058, 0.2947,  
0.3315

163.2909, 0.3013,  
0.3307

■ 28.7928, 0.2924,  
0.3318

201.8426, 0.3021,  
0.3306

■ 18.9241, 0.2894,  
0.3322

246.0295, 0.3028,  
0.3305

■ 11.6155, 0.2853,  
0.3327

296.2359, 0.3033,  
0.3304

■ 6.4824, 0.2795,  
0.3334

352.8463, 0.3039,

■ 3.1406, 0.2707,

0.3303

416.2450, 0.3043,  
0.3302

0.3344

1.2056, 0.2554,  
0.3359

0.0662, 0.0000,  
0.2553

77.6027, 0.2981,  
0.3311

77.6027, 0.2981,  
0.3311

74.3432, 0.2846,  
0.3333

81.3669, 0.3123,  
0.3291

71.5571, 0.2722,  
0.3358


85.5237, 0.3265,  
0.3272

69.2248, 0.2611,  
0.3383

85.6354, 0.3253,  
0.3253

67.3211, 0.2517,  
0.3410

85.7483, 0.3241,  
0.3234

 65.8188, 0.2440,  
0.3438


 85.8625, 0.3228,  
0.3216


 64.6872, 0.2382,  
0.3466


 85.9778, 0.3216,  
0.3197


 63.8914, 0.2344,  
0.3494

 86.0944, 0.3203,  
0.3178

 63.3899, 0.2324,  
0.3522

 86.2122, 0.3191,  
0.3160

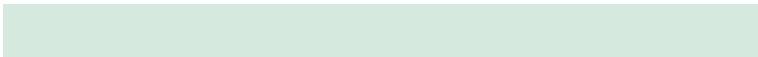
 63.1158, 0.2319,  
0.3549

 86.3313, 0.3179,  
0.3141

# Harmonies

## Analogous

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



77.6027, 0.3062, 0.3396



77.6027, 0.2981, 0.3311



77.6027, 0.2939, 0.3222

# Triad

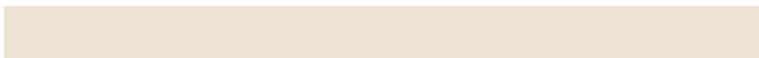
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6027, 0.2981, 0.3311



77.6027, 0.3090, 0.3135



77.6027, 0.3311, 0.3425

# Complementary

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



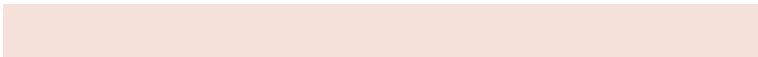
77.6027, 0.2981, 0.3311



67.6507, 0.3295, 0.3269

# 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.



77.6027, 0.3319, 0.3354



77.6027, 0.2981, 0.3311



77.6027, 0.3191, 0.3188

# Square

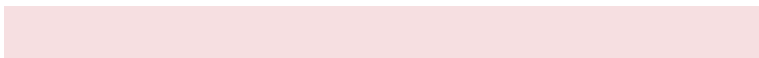
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



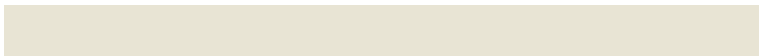
77.6027, 0.2981, 0.3311



77.6027, 0.3001, 0.3122



77.6027, 0.3275, 0.3267



77.6027, 0.3253, 0.3462



# Rectangle

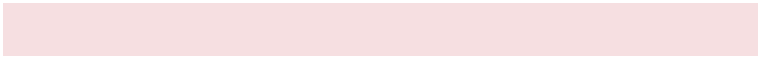
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6027, 0.2981, 0.3311



77.6027, 0.2938, 0.3172



77.6027, 0.3275, 0.3267



77.6027, 0.3320, 0.3404

# Sweetspot

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



77.6060, 0.2981, 0.3311



98.5372, 0.3084, 0.3296



76.7344, 0.3128, 0.3555



21.0094, 0.3072, 0.3298



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.



77.6060, 0.2981, 0.3311



94.4896, 0.2956, 0.3315



72.2283, 0.2968, 0.3180



17.0992, 0.2992, 0.3309



35.8249, 0.2318, 0.3545



2.8195, 0.2307, 0.3506



# Inverse Universe

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



67.6507, 0.3295, 0.3269



80.3286, 0.3328, 0.3265



72.6038, 0.3297, 0.3397



15.0742, 0.3280, 0.3271



9.8642, 0.6308, 0.3249

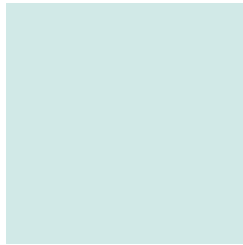


0.7816, 0.6084, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 77.6027, 0.2981, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

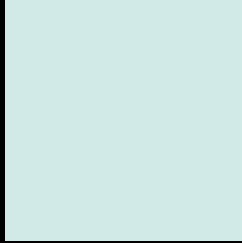
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6027, 0.2981, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

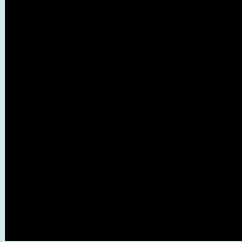
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

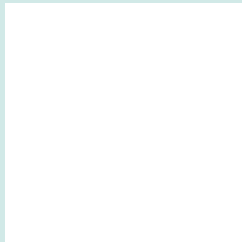
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6027, 0.2981, 0.3311**

## Background



This preview shows how black text looks on a background with the Yxy color 77.6027, 0.2981, 0.3311.

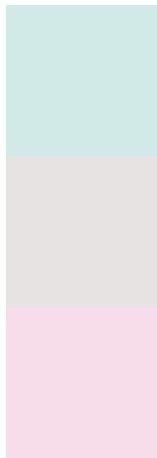


This preview shows how white text looks on a background with the Yxy color 77.6027, 0.2981, 0.3311.

# 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

77.6027, 0.2981, 0.3311

### Protanopia

77.6400, 0.3162, 0.3290

### Deuteranopia

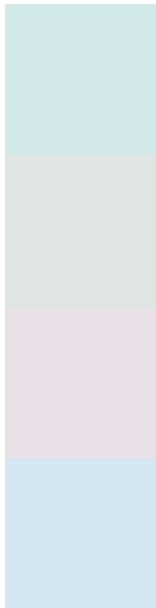
77.3703, 0.3232, 0.3169



## Tritanopia

77.4302, 0.2894, 0.3088

# Trichromacy



**Original Color**

77.6027, 0.2981, 0.3311

**Protanomaly**

77.4874, 0.3099, 0.3301

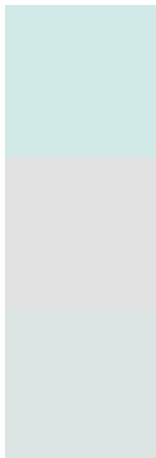
**Deuteranomaly**

77.0003, 0.3138, 0.3217

**Tritanomaly**

77.4115, 0.2928, 0.3172

# Monochromacy



**Original Color**

77.6027, 0.2981, 0.3311

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

76.8557, 0.3072, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6027, 0.2981, 0.3311 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6027, 0.2981, 0.3311 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, 231) }
```

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

```
.border{ border-color:rgb(209, 233, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6027, 0.2981, 0.3311 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, 231) }
```

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

```
.background{ background-color: rgb(209,  
233, 231) }
```

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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