

Converting Colors

$Yxy(76.6061, 0.2974, 0.3185)$

Have a look what the booklet for
Yxy(76.6061, 0.2974, 0.3185)
contains.

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Color

Yxy(76.7177, 0.2971, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	D7E5EF
RGB	215, 229, 239
RGB Percent	84%, 90%, 94%
CMY	0.1571, 0.1019, 0.0627
CMYK	0.10, 0.04, 0.00, 0.06
HSL	205°, 43%, 89%
HSV	205°, 10%, 94%
XYZ	71.6080, 76.7177, 92.6975
YIQ	225.9540, -11.5540, 0.1420

Conversions

Conversions Part 2

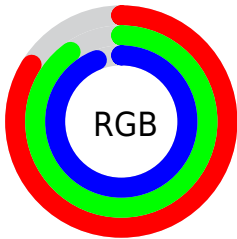
Format	Color
R _Y B	215, 224, 239
Decimal	14149103
CIE Lab	90.19, -2.76, -6.47
CIE LCh	90, 7.029, 246.902
Yxy	76.7177, 0.2971, 0.3183
Android (android.graphics.Color)	4292339183 (0xFFD7E5EF)
YUV	225.9540, 6.4317, -9.6067
Hunter-Lab	87.5886, -7.3476, -1.4362

Details

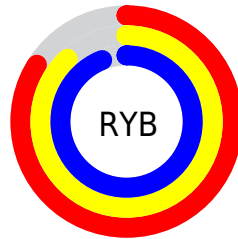
The Yxy color **76.7177, 0.2971, 0.3183** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0550, 0.3293, 0.3395**, and the grayscale version is **75.9717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1646, 0.2935, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **68.0368, 0.2813, 0.3065**, and if you desaturate by 10%, it is **86.2464, 0.3126, 0.3289**.

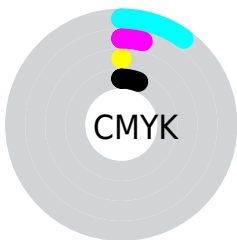
Distribution



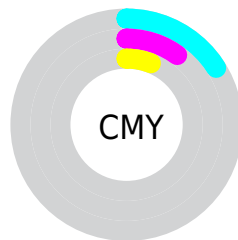
- Red (84%)
- Green (90%)
- Blue (94%)



- Red (84%)
- Yellow (88%)
- Blue (94%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (16%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7177, 0.2971, 0.3183 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 76.7177, 0.2971, 0.3183 by changing the saturation by 10% instead.

■ 76.7177, 0.2971,
0.3183

■ 76.7177, 0.2971,
0.3183

483.8010, 0.3042,
0.3232

■ 57.0212, 0.2955,
0.3172

128.7409, 0.2996,
0.3200

■ 41.0223, 0.2935,
0.3158

161.8364, 0.3005,
0.3207

■ 28.3365, 0.2910,
0.3140

200.1671, 0.3013,
0.3213

■ 18.5795, 0.2878,
0.3117

244.1172, 0.3021,
0.3218

■ 11.3668, 0.2834,
0.3086

294.0713, 0.3027,
0.3222

■ 6.3141, 0.2773,
0.3042

350.4137, 0.3033,

■ 3.0370, 0.2678,

0.3226

0.2972

413.5288, 0.3038,
0.3229

■ 1.1511, 0.2515,
0.2850

■ 0.0212, 0.0000,
0.0427

■ 76.7177, 0.2971,
0.3183

■ 76.7177, 0.2971,
0.3183

■ 68.0368, 0.2813,
0.3065

■ 86.2464, 0.3126,
0.3289

■ 60.1662, 0.2654,
0.2935

■ 95.1440, 0.3225,
0.3385

■ 53.0790, 0.2498,
0.2795

■ 99.0123, 0.3220,
0.3444

■ 46.7436, 0.2349,
0.2644

■ 41.1250, 0.2211,
0.2487

■ 36.1851, 0.2089,
0.2325

■ 31.8810, 0.1987,
0.2162

■ 28.1621, 0.1907,
0.2002

■ 24.9693, 0.1847,
0.1848

Harmonies

Analogous

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



76.7177, 0.2972, 0.3245



76.7177, 0.2971, 0.3183



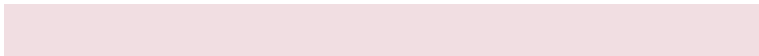
76.7177, 0.3011, 0.3151

Triad

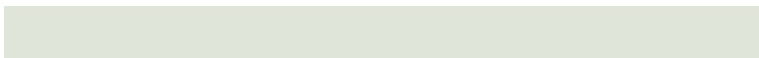
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7177, 0.2971, 0.3183



76.7177, 0.3241, 0.3259



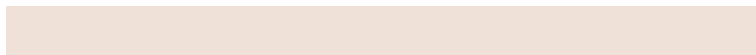
76.7177, 0.3170, 0.3429

Complementary

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



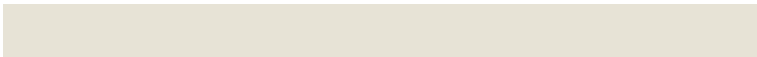
76.7177, 0.2971, 0.3183



77.0550, 0.3293, 0.3395

Split Complementary

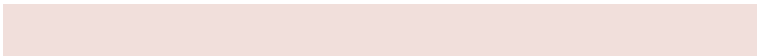
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7177, 0.3243, 0.3431



76.7177, 0.2971, 0.3183



76.7177, 0.3285, 0.3332

Square

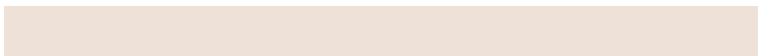
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



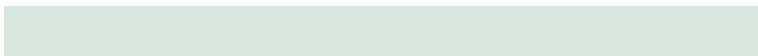
76.7177, 0.2971, 0.3183



76.7177, 0.3167, 0.3195



76.7177, 0.3286, 0.3395



76.7177, 0.3086, 0.3389

Rectangle

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



76.7177, 0.2971, 0.3183



76.7177, 0.3056, 0.3150



76.7177, 0.3286, 0.3395



76.7177, 0.3197, 0.3435

Sweetspot

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



76.7209, 0.2971, 0.3183



96.5713, 0.3081, 0.3259



81.5842, 0.3057, 0.3445



20.4774, 0.3069, 0.3251



0.0000, 0.0000, 0.0000



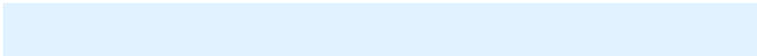
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7209, 0.2971, 0.3183



86.8238, 0.2940, 0.3161



70.4678, 0.2970, 0.3056



16.7667, 0.2980, 0.3190



14.0630, 0.1854, 0.1873



1.3657, 0.1911, 0.2078

Inverse Universe

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



72.5746, 0.3207, 0.3144



81.2164, 0.3224, 0.3114



83.5894, 0.3280, 0.3514



15.9141, 0.3202, 0.3153



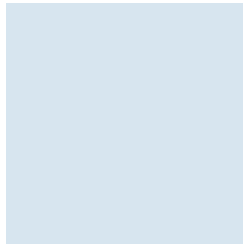
11.2130, 0.4599, 0.2307



0.9526, 0.4366, 0.2179

Previews

White Background



This preview shows how the Yxy color 76.7177, 0.2971, 0.3183 looks on a white background.

Color Contrast Check

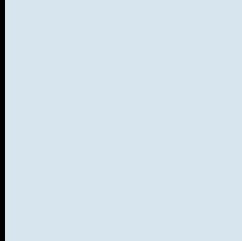
Large Text (above 18pt) WCAG AA × Fail

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 76.7177, 0.2971, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

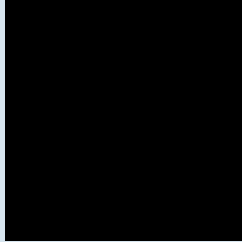
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

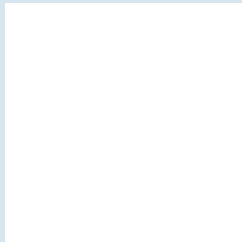
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7177, 0.2971, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 76.7177, 0.2971, 0.3183.

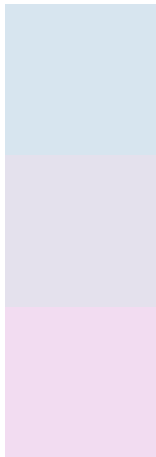


This preview shows how white text looks on a background with the Yxy color 76.7177, 0.2971, 0.3183.

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

76.7177, 0.2971, 0.3183

Protanopia

76.4588, 0.3071, 0.3164

Deuteranopia

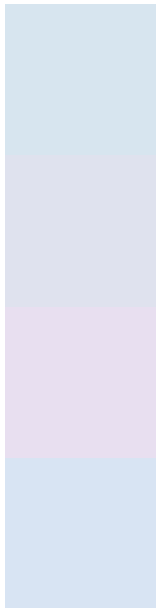
76.4145, 0.3144, 0.3077



Tritanopia

76.7396, 0.2936, 0.3099

Trichromacy



Original Color

76.7177, 0.2971, 0.3183

Protanomaly

76.2537, 0.3031, 0.3163

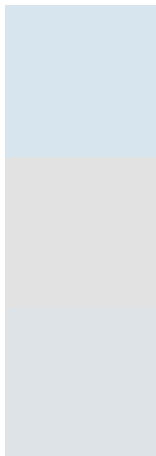
Deuteranomaly

76.2224, 0.3080, 0.3114

Tritanomaly

76.5568, 0.2954, 0.3130

Monochromacy



Original Color

76.7177, 0.2971, 0.3183

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.2373, 0.3067, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7177, 0.2971, 0.3183 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(215, 229, 239)` looks like.

```
.text, #text, p{  
    color:rgb(215, 229, 239)  
}
```

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(215, 229, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 229, 239) }
```

Border

The CSS property to change the border of an element to Yxy 76.7177, 0.2971, 0.3183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

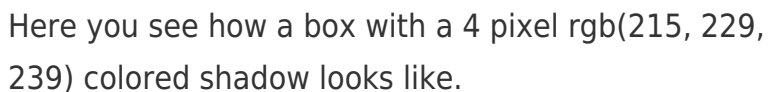
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 229, 239) }
```

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

```
.border{ border-color:rgb(215, 229, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 229, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 229, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 229, 239); box-shadow:4px 4px 4px 4px rgb(215, 229, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7177, 0.2971, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 229, 239) }
```

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

```
.background{ background-color: rgb(215,  
229, 239) }
```

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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