

Converting Colors

Yxy(78.0646, 0.3024, 0.3312)

Have a look what the booklet for
Yxy(78.0646, 0.3024, 0.3312)
contains.

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Color

Yxy(77.8735, 0.3026, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D7E8E6
RGB	215, 232, 230
RGB Percent	84%, 91%, 90%
CMY	0.1568, 0.0902, 0.0980
CMYK	0.07, 0.00, 0.01, 0.09
HSL	173°, 27%, 88%
HSV	173°, 7%, 91%
XYZ	71.1704, 77.8735, 86.1524
YIQ	226.6890, -9.4900, -4.2260

Conversions

Conversions Part 2

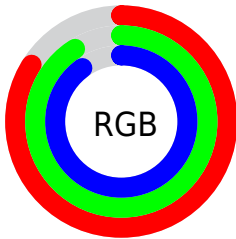
Format	Color
R _Y B	215, 224, 232
Decimal	14149862
CIE Lab	90.72, -5.97, -0.98
CIE LCh	91, 6.053, 189.313
Yxy	77.8735, 0.3026, 0.3311
Android (android.graphics.Color)	4292339942 (0xFFD7E8E6)
YUV	226.6890, 1.6323, -10.2513
Hunter-Lab	88.2460, -10.4701, 3.8888

Details

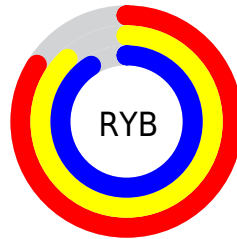
The Yxy color **77.8735, 0.3026, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7792, 0.3238, 0.3269**, and the grayscale version is **76.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6194, 0.2997, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **74.4585, 0.2893, 0.3342**, and if you desaturate by 10%, it is **81.7955, 0.3165, 0.3283**.

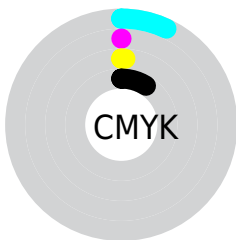
Distribution



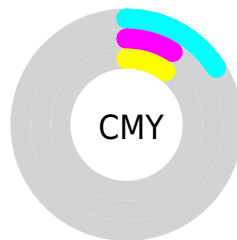
- Red (84%)
- Green (91%)
- Blue (90%)



- Red (84%)
- Yellow (88%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8735, 0.3026, 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 77.8735, 0.3026, 0.3311 by changing the saturation by 10% instead.

■ 77.8735, 0.3026,
0.3311

■ 77.8735, 0.3026,
0.3311

487.7371, 0.3072,
0.3302

■ 57.9701, 0.3016,
0.3313

130.3718, 0.3042,
0.3308

■ 41.7846, 0.3003,
0.3316

163.7354, 0.3048,
0.3307

■ 28.9327, 0.2987,
0.3319

202.3546, 0.3054,
0.3305

■ 19.0299, 0.2966,
0.3323

246.6137, 0.3058,
0.3304

■ 11.6919, 0.2937,
0.3328

296.8971, 0.3062,
0.3304

■ 6.5342, 0.2897,
0.3336

353.5892, 0.3066,

■ 3.1726, 0.2835,

0.3303

417.0744, 0.3069,
0.3302

0.3348

1.2225, 0.2728,
0.3367

0.0799, 0.0000,
0.3395

77.8735, 0.3026,
0.3311

77.8735, 0.3026,
0.3311

74.4585, 0.2893,
0.3342

81.7955, 0.3165,
0.3283

71.5196, 0.2770,
0.3376

84.9953, 0.3263,
0.3257

69.0380, 0.2658,
0.3412


85.1536, 0.3245,
0.3230


66.9895, 0.2561,
0.3450


85.3143, 0.3227,
0.3204


 65.3478, 0.2481,
0.3490

 85.4774, 0.3210,
0.3177


 64.0836, 0.2420,
0.3530


 85.6429, 0.3193,
0.3151


 63.1638, 0.2379,
0.3571

 85.8109, 0.3175,
0.3125

 62.5496, 0.2356,
0.3612

 85.9813, 0.3158,
0.3099

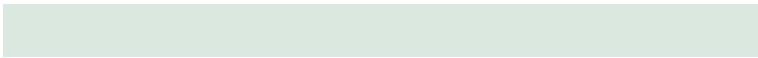
 62.1898, 0.2351,
0.3653

 86.1541, 0.3141,
0.3074

Harmonies

Analogous

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



77.8735, 0.3087, 0.3370



77.8735, 0.3026, 0.3311



77.8735, 0.2993, 0.3247

Triad

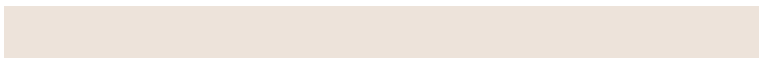
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8735, 0.3026, 0.3311



77.8735, 0.3095, 0.3176



77.8735, 0.3261, 0.3384

Complementary

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



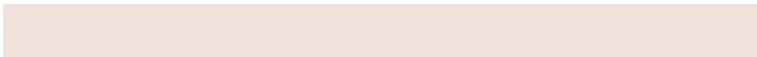
77.8735, 0.3026, 0.3311



70.7792, 0.3238, 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.



77.8735, 0.3264, 0.3331



77.8735, 0.3026, 0.3311



77.8735, 0.3167, 0.3212

Square

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



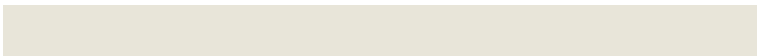
77.8735, 0.3026, 0.3311



77.8735, 0.3032, 0.3170



77.8735, 0.3229, 0.3268



77.8735, 0.3223, 0.3412

Rectangle

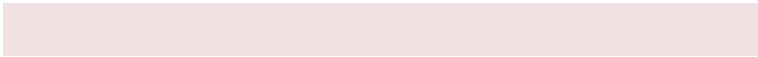
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



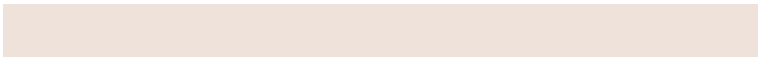
77.8735, 0.3026, 0.3311



77.8735, 0.2990, 0.3210



77.8735, 0.3229, 0.3268



77.8735, 0.3267, 0.3368

Sweetspot

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



77.8768, 0.3026, 0.3311



99.0072, 0.3099, 0.3296



77.4154, 0.3134, 0.3474



21.2020, 0.3100, 0.3295



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.



77.8768, 0.3026, 0.3311



95.7327, 0.3003, 0.3316



74.5470, 0.3014, 0.3222



16.3059, 0.2997, 0.3317



34.4965, 0.2349, 0.3657



2.5574, 0.2333, 0.3598

Inverse Universe

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



70.7792, 0.3238, 0.3269



84.9840, 0.3267, 0.3264



73.9072, 0.3246, 0.3357



14.3952, 0.3274, 0.3263



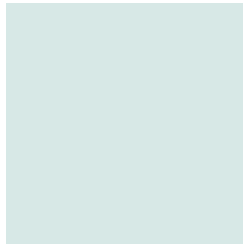
9.5778, 0.6254, 0.3219



0.7169, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 77.8735, 0.3026, 0.3311 looks on a white background.

Color Contrast Check

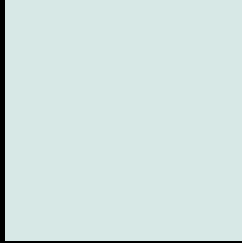
Large Text (above 18pt) WCAG AA × Fail

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 77.8735, 0.3026, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

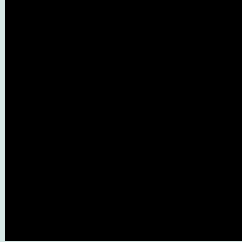
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

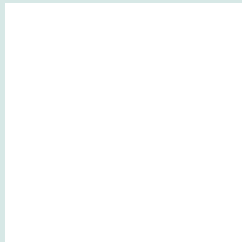
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8735, 0.3026, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 77.8735, 0.3026, 0.3311.

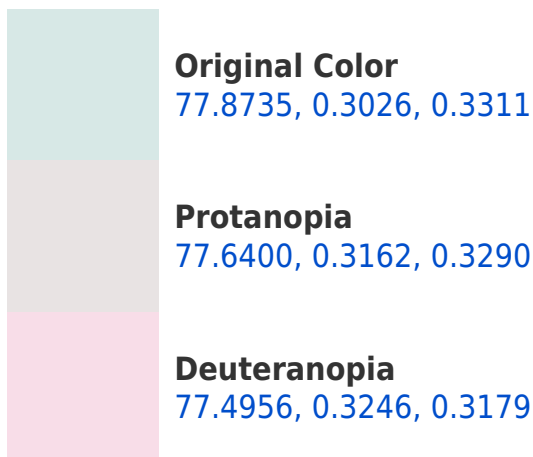


This preview shows how white text looks on a background with the Yxy color 77.8735, 0.3026, 0.3311.

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

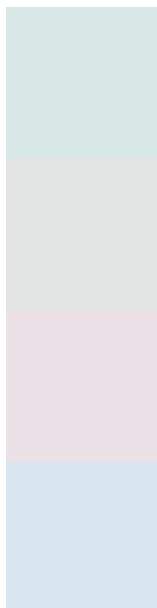




Tritanopia

77.6594, 0.2943, 0.3100

Trichromacy



Original Color

77.8735, 0.3026, 0.3311

Protanomaly

77.8088, 0.3113, 0.3301

Deuteranomaly

77.4528, 0.3165, 0.3228

Tritanomaly

77.6962, 0.2973, 0.3173

Monochromacy



Original Color

77.8735, 0.3026, 0.3311

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3280, 0.3093, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8735, 0.3026, 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(215, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(215, 232, 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(215, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 232, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.8735, 0.3026, 0.3311 is called "border". The border property can be set on classes, ids or directly on the HTML element.

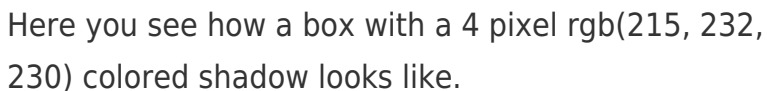
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 232, 230) }
```

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

```
.border{ border-color:rgb(215, 232, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 232, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 232, 230); box-shadow:4px 4px 4px 4px rgb(215, 232, 230) }
```


Background

The CSS property to change the background color of an element to `rgb(77.8735, 0.3026, 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(215, 232, 230) }
```

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

```
.background{ background-color: rgb(215,  
232, 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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