

Converting Colors

$Yxy(77.8803, 0.3039, 0.3307)$

Have a look what the booklet for
Yxy(77.8803, 0.3039, 0.3307)
contains.

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Color

Yxy(78.1781, 0.3039, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D9E8E6
RGB	217, 232, 230
RGB Percent	85%, 91%, 90%
CMY	0.1490, 0.0902, 0.0980
CMYK	0.06, 0.00, 0.01, 0.09
HSL	172°, 25%, 88%
HSV	172°, 6%, 91%
XYZ	71.7557, 78.1781, 86.1824
YIQ	227.2870, -8.2980, -3.8020

Conversions

Conversions Part 2

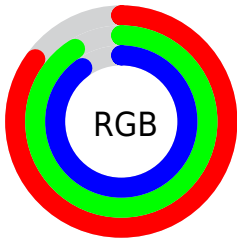
Format	Color
R _Y B	217, 225, 232
Decimal	14280934
CIE Lab	90.86, -5.33, -0.76
CIE LCh	91, 5.385, 188.129
Yxy	78.1781, 0.3039, 0.3311
Android (android.graphics.Color)	4292471014 (0xFFD9E8E6)
YUV	227.2870, 1.3375, -9.0217
Hunter-Lab	88.4184, -9.8709, 4.1022

Details

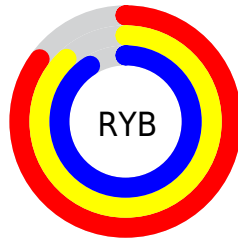
The Yxy color **78.1781, 0.3039, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.8949, 0.3223, 0.3269**, and the grayscale version is **77.0326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8272, 0.3014, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **74.7014, 0.2908, 0.3346**, and if you desaturate by 10%, it is **82.1642, 0.3176, 0.3279**.

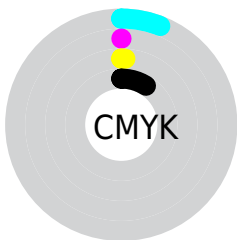
Distribution



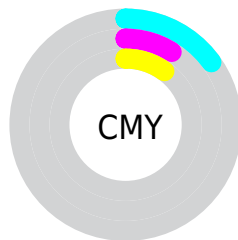
- Red (85%)
- Green (91%)
- Blue (90%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1781, 0.3039, 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 78.1781, 0.3039, 0.3311 by changing the saturation by 10% instead.

■ 78.1781, 0.3039,
0.3311

■ 78.1781, 0.3039,
0.3311

488.7715, 0.3079,
0.3302

■ 58.2203, 0.3030,
0.3313

130.8012, 0.3053,
0.3308

■ 41.9858, 0.3019,
0.3316

164.2352, 0.3058,
0.3307

■ 29.0902, 0.3005,
0.3319

202.9301, 0.3063,
0.3305

■ 19.1490, 0.2986,
0.3323

247.2703, 0.3067,
0.3304

■ 11.7780, 0.2962,
0.3329

297.6401, 0.3071,
0.3304

■ 6.5927, 0.2927,
0.3337

354.4240, 0.3074,

■ 3.2087, 0.2873,

0.3303

0.3349

418.0063, 0.3077,
0.3302

■ 1.2416, 0.2780,
0.3369

■ 0.0953, 0.0000,
0.3777

■ 78.1781, 0.3039,
0.3311

■ 78.1781, 0.3039,
0.3311

■ 74.7014, 0.2908,
0.3346

■ 82.1642, 0.3176,
0.3279

■ 71.7035, 0.2785,
0.3384


■ 85.0414, 0.3258,
0.3250


■ 69.1654, 0.2674,
0.3425

■ 85.2217, 0.3238,
0.3219

■ 67.0633, 0.2577,
0.3469


■ 85.4051, 0.3218,
0.3190

 65.3709, 0.2496,
0.3514


 85.5916, 0.3198,
0.3160


 64.0594, 0.2435,
0.3560


 85.7813, 0.3179,
0.3130


 63.0959, 0.2393,
0.3607

 85.9740, 0.3159,
0.3101

 62.4423, 0.2370,
0.3654

 86.1699, 0.3140,
0.3072

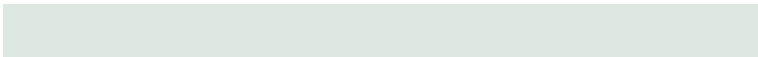
 62.0503, 0.2365,
0.3700

 86.1959, 0.3138,
0.3068

Harmonies

Analogous

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



78.1781, 0.3094, 0.3363



78.1781, 0.3039, 0.3311



78.1781, 0.3008, 0.3254

Triad

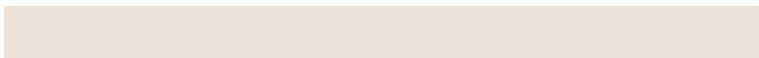
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1781, 0.3039, 0.3311



78.1781, 0.3096, 0.3188



78.1781, 0.3247, 0.3372

Complementary

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



78.1781, 0.3039, 0.3311



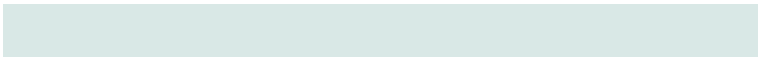
71.8949, 0.3223, 0.3269

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.



78.1781, 0.3248, 0.3325



78.1781, 0.3039, 0.3311



78.1781, 0.3160, 0.3219

Square

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



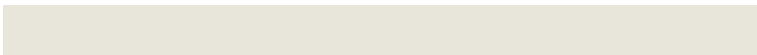
78.1781, 0.3039, 0.3311



78.1781, 0.3041, 0.3183



78.1781, 0.3216, 0.3269



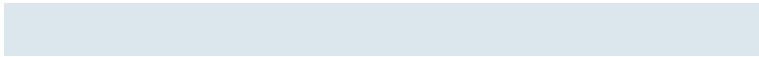
78.1781, 0.3214, 0.3398

Rectangle

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



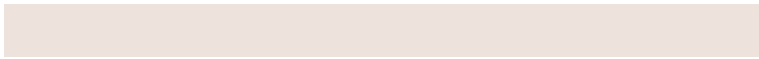
78.1781, 0.3039, 0.3311



78.1781, 0.3005, 0.3221



78.1781, 0.3216, 0.3269



78.1781, 0.3251, 0.3358

Sweetspot

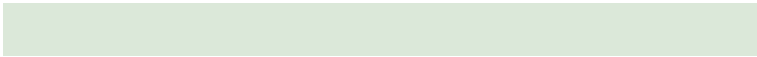
The Sweet Spot groups the original color and five complimentary colors.



78.1814, 0.3039, 0.3311



99.0021, 0.3100, 0.3296



77.7854, 0.3133, 0.3452



21.2010, 0.3101, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

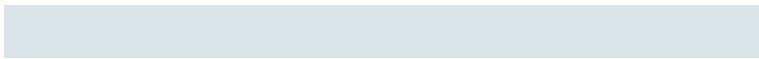
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1814, 0.3039, 0.3311



96.1614, 0.3018, 0.3316



75.2441, 0.3027, 0.3231



16.3018, 0.2999, 0.3321



34.4020, 0.2364, 0.3709



2.5514, 0.2345, 0.3641

Inverse Universe

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



71.8949, 0.3223, 0.3269



86.5799, 0.3248, 0.3264



74.6750, 0.3231, 0.3349



14.3989, 0.3272, 0.3259



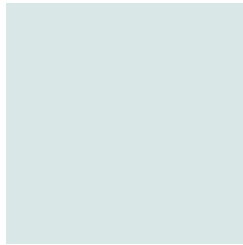
9.5887, 0.6225, 0.3203



0.7186, 0.5893, 0.3020

Previews

White Background



This preview shows how the Yxy color 78.1781, 0.3039, 0.3311 looks on a white background.

Color Contrast Check

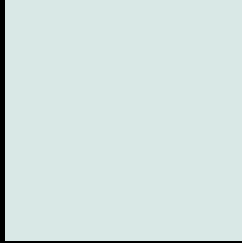
Large Text (above 18pt) WCAG AA × Fail

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 78.1781, 0.3039, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

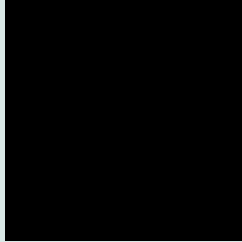
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

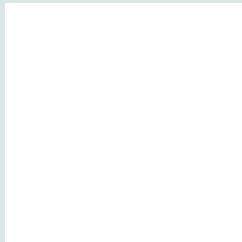
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1781, 0.3039, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 78.1781, 0.3039, 0.3311.

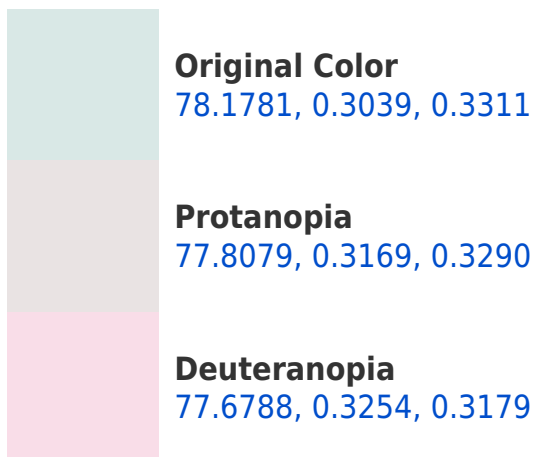


This preview shows how white text looks on a background with the Yxy color 78.1781, 0.3039, 0.3311.

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

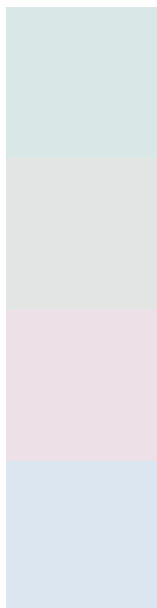




Tritanopia

77.9697, 0.2956, 0.3101

Trichromacy



Original Color

78.1781, 0.3039, 0.3311

Protanomaly

77.9710, 0.3120, 0.3301

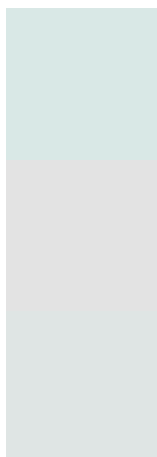
Deuteranomaly

77.6245, 0.3172, 0.3228

Tritanomaly

78.0046, 0.2986, 0.3174

Monochromacy



Original Color

78.1781, 0.3039, 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 78.1781, 0.3039, 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(217, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 230) }
```

Border

The CSS property to change the border of an element to Yxy 78.1781, 0.3039, 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(217, 232, 230) }
```

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

```
.border{ border-color:rgb(217, 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(217, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1781, 0.3039, 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(217, 232, 230) }
```

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

```
.background{ background-color: rgb(217,  
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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