

Converting Colors

$Yxy(77.9660, 0.3067, 0.3326)$

Have a look what the booklet for
Yxy(77.9660, 0.3067, 0.3326)
contains.

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Color

Yxy(77.8133, 0.3065, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	DBE7E4
RGB	219, 231, 228
RGB Percent	86%, 91%, 89%
CMY	0.1411, 0.0941, 0.1059
CMYK	0.05, 0.00, 0.01, 0.09
HSL	165°, 20%, 88%
HSV	165°, 5%, 91%
XYZ	71.7934, 77.8133, 84.6296
YIQ	227.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

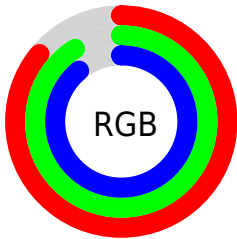
Format	Color
R_{YB}	219, 226, 231
Decimal	14411748
CIE _{Lab}	90.69, -4.53, 0.07
CIE _{LCh}	91, 4.534, 179.123
Yxy	77.8133, 0.3065, 0.3322
Android (android.graphics.Color)	4292601828 (0xFFDBE7E4)
YUV	227.0700, 0.4585, -7.0774
Hunter-Lab	88.2118, -9.0940, 4.8661

Details

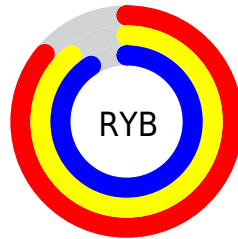
The Yxy color **77.8133, 0.3065, 0.3322** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.9313, 0.3193, 0.3258**, and the grayscale version is **76.8719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5696, 0.3047, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **74.1622, 0.2949, 0.3389**, and if you desaturate by 10%, it is **81.9790, 0.3185, 0.3262**.

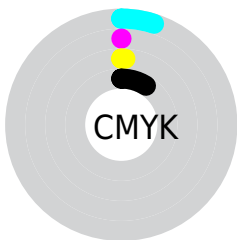
Distribution



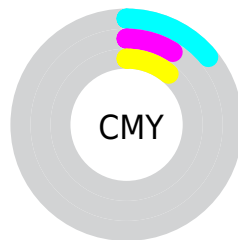
- Red (86%)
- Green (91%)
- Blue (89%)



- Red (86%)
- Yellow (89%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (14%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8133, 0.3065, 0.3322 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 77.8133, 0.3065, 0.3322 by changing the saturation by 10% instead.

■ 77.8133, 0.3065,
0.3322

■ 77.8133, 0.3065,
0.3322

487.5325, 0.3093,
0.3307

■ 57.9206, 0.3059,
0.3325

130.2869, 0.3075,
0.3317

■ 41.7448, 0.3051,
0.3329

163.6366, 0.3079,
0.3315

■ 28.9015, 0.3041,
0.3334

202.2408, 0.3082,
0.3313

■ 19.0064, 0.3028,
0.3341

246.4838, 0.3085,
0.3312

■ 11.6749, 0.3010,
0.3350

296.7501, 0.3087,
0.3311

■ 6.5227, 0.2985,
0.3363

353.4241, 0.3090,

■ 3.1654, 0.2946,

0.3309

416.8901, 0.3092,
0.3308

0.3383

1.2187, 0.2879,
0.3417

0.0769, 0.0000,
0.4937

77.8133, 0.3065,
0.3322

77.8133, 0.3065,
0.3322

74.1622, 0.2949,
0.3389

81.9790, 0.3185,
0.3262

70.9954, 0.2839,
0.3462


84.6808, 0.3237,
0.3206

68.2941, 0.2738,
0.3541


85.0299, 0.3199,
0.3150

66.0350, 0.2650,
0.3625

85.3902, 0.3162,
0.3095


 64.1924, 0.2577,
0.3714

 85.6343, 0.3138,
0.3058

 62.7379, 0.2522,
0.3807

 61.6396, 0.2487,
0.3901

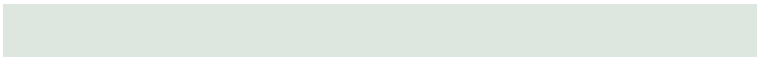
 60.8604, 0.2472,
0.3995

 60.3546, 0.2475,
0.4089

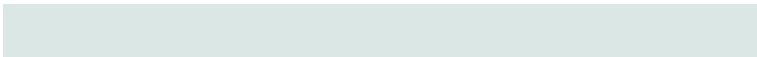
Harmonies

Analogous

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



77.8133, 0.3115, 0.3362



77.8133, 0.3065, 0.3322



77.8133, 0.3032, 0.3274

Triad

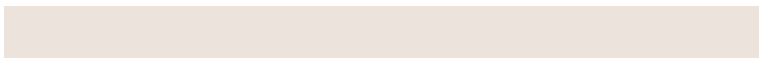
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8133, 0.3065, 0.3322



77.8133, 0.3086, 0.3200



77.8133, 0.3231, 0.3349

Complementary

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



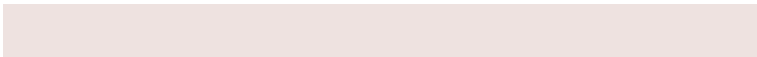
77.8133, 0.3065, 0.3322



72.9313, 0.3193, 0.3258

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.



77.8133, 0.3224, 0.3305



77.8133, 0.3065, 0.3322



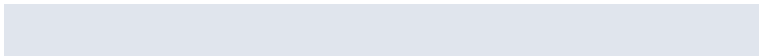
77.8133, 0.3139, 0.3220

Square

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



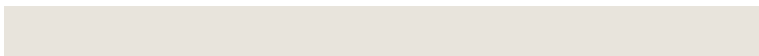
77.8133, 0.3065, 0.3322



77.8133, 0.3044, 0.3204



77.8133, 0.3190, 0.3258



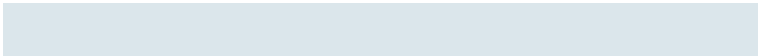
77.8133, 0.3211, 0.3377

Rectangle

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



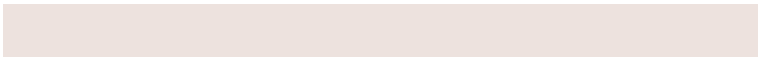
77.8133, 0.3065, 0.3322



77.8133, 0.3024, 0.3244



77.8133, 0.3190, 0.3258



77.8133, 0.3232, 0.3335

Sweetspot

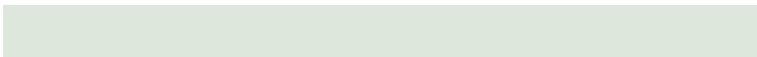
The Sweet Spot groups the original color and five complimentary colors.



77.8166, 0.3065, 0.3322



98.9634, 0.3103, 0.3302



77.8313, 0.3143, 0.3419



21.1931, 0.3104, 0.3302



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.



77.8166, 0.3065, 0.3322



96.9681, 0.3055, 0.3327



76.4306, 0.3047, 0.3260



16.4991, 0.3048, 0.3331



33.7537, 0.2477, 0.4118



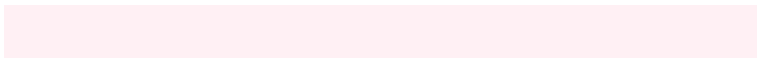
2.5089, 0.2440, 0.3982

Inverse Universe

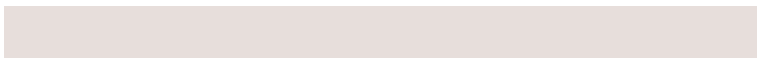
The Inverse Universe completely reimagines the original color for something new.



72.9313, 0.3193, 0.3258



89.9073, 0.3205, 0.3253



74.2444, 0.3211, 0.3320



15.1829, 0.3213, 0.3249



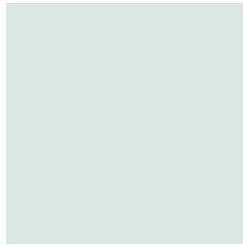
9.7120, 0.5922, 0.3036



0.7323, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 77.8133, 0.3065, 0.3322 looks on a white background.

Color Contrast Check

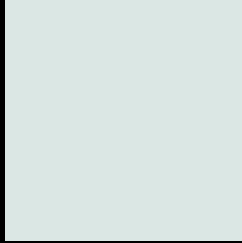
Large Text (above 18pt) WCAG AA × Fail

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 77.8133, 0.3065, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

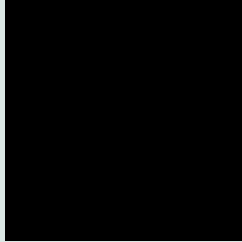
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

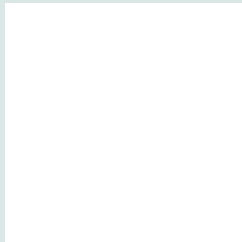
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8133, 0.3065, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 77.8133, 0.3065, 0.3322.

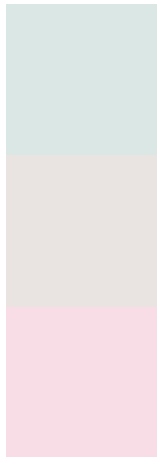


This preview shows how white text looks on a background with the Yxy color 77.8133, 0.3065, 0.3322.

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

77.8133, 0.3065, 0.3322

Protanopia

77.7528, 0.3175, 0.3301

Deuteranopia

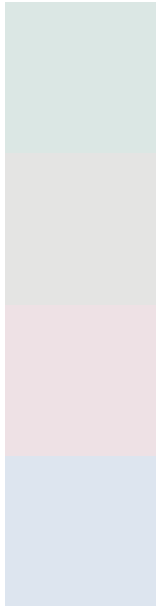
77.5658, 0.3267, 0.3199



Tritanopia

77.6702, 0.2975, 0.3102

Trichromacy



Original Color

77.8133, 0.3065, 0.3322

Protanomaly

77.5268, 0.3134, 0.3301

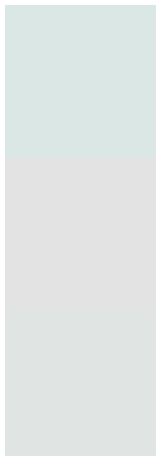
Deuteranomaly

77.6847, 0.3192, 0.3249

Tritanomaly

77.6428, 0.3011, 0.3184

Monochromacy



Original Color

77.8133, 0.3065, 0.3322

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8801, 0.3106, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8133, 0.3065, 0.3322 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(219, 231, 228) looks like.

```
.text, #text, p{  
    color:rgb(219, 231, 228)  
}
```

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(219, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 231, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.8133, 0.3065, 0.3322 is called "border". The border property can be set on classes, ids or directly on the HTML element.

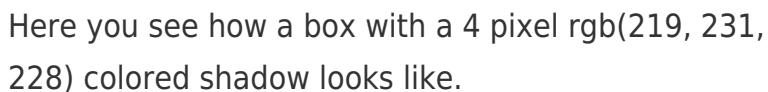
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 231, 228) }
```

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

```
.border{ border-color:rgb(219, 231, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 231, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 231, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 231, 228); box-shadow:4px 4px 4px 4px rgb(219, 231, 228) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.8133, 0.3065, 0.3322$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 231, 228) }
```

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

```
.background{ background-color: rgb(219,  
231, 228) }
```

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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