

Converting Colors

$Y_{xy}(81.2177, 0.2982, 0.3339)$

Have a look what the booklet for
Yxy(81.2177, 0.2982, 0.3339)
contains.

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Color

Yxy(81.0866, 0.2983, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	D4EEEE
RGB	212, 238, 234
RGB Percent	83%, 93%, 92%
CMY	0.1683, 0.0667, 0.0823
CMYK	0.11, 0.00, 0.02, 0.07
HSL	171°, 43%, 88%
HSV	171°, 11%, 93%
XYZ	72.5934, 81.0866, 89.6771
YIQ	229.7700, -14.2120, -6.7560

Conversions

Conversions Part 2

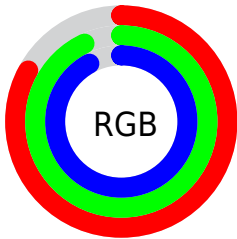
Format	Color
R _Y B	212, 226, 238
Decimal	13954794
CIE Lab	92.17, -9.21, -0.97
CIE LCh	92, 9.260, 186.025
Yxy	81.0866, 0.2983, 0.3332
Android (android.graphics.Color)	4292144874 (0xFFD4EEEE)
YUV	229.7700, 2.0854, -15.5843
Hunter-Lab	90.0481, -13.6841, 3.9879

Details

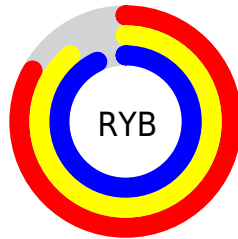
The Yxy color **81.0866, 0.2983, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.2572, 0.3293, 0.3249**, and the grayscale version is **78.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8383, 0.2951, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **77.6009, 0.2857, 0.3375**, and if you desaturate by 10%, it is **85.1048, 0.3115, 0.3293**.

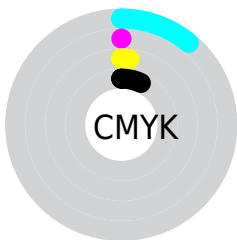
Distribution



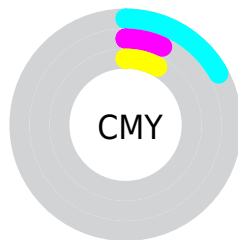
- Red (83%)
- Green (93%)
- Blue (92%)



- Red (83%)
- Yellow (89%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)





- Cyan (17%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0866, 0.2983, 0.3332 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 81.0866, 0.2983, 0.3332 by changing the saturation by 10% instead.


 81.0866, 0.2983,
0.3332

 81.0866, 0.2983,
0.3332


498.5872, 0.3048,
0.3313

 60.6129, 0.2968,
0.3336


134.8924, 0.3005,
0.3326

 43.9129, 0.2950,
0.3341


168.9932, 0.3014,
0.3323

 30.6020, 0.2928,
0.3348


208.4053, 0.3022,
0.3321

 20.2960, 0.2899,
0.3356

253.5129, 0.3028,
0.3319

 12.6104, 0.2860,
0.3367

304.7006, 0.3034,
0.3317

 7.1608, 0.2805,
0.3382

362.3526, 0.3040,

 3.5629, 0.2722,

0.3316

0.3404

426.8533, 0.3044,
0.3314

■ 1.4322, 0.2582,
0.3441

■ 0.2403, 0.0062,
0.4190

■ 81.0866, 0.2983,
0.3332

■ 81.0866, 0.2983,
0.3332

■ 77.6009, 0.2857,
0.3375

■ 85.1048, 0.3115,
0.3293

■ 74.6147, 0.2742,
0.3420


■ 88.7704, 0.3220,
0.3258

■ 72.1070, 0.2638,
0.3470


■ 88.9909, 0.3197,
0.3223


■ 70.0514, 0.2550,
0.3521


■ 89.2158, 0.3174,
0.3187


 68.4188, 0.2480,
0.3575


 89.4452, 0.3152,
0.3153

 67.1767, 0.2428,
0.3629

 89.6211, 0.3135,
0.3126

 66.2880, 0.2397,
0.3684

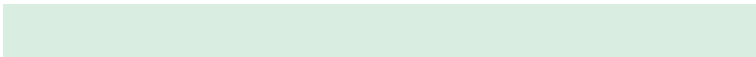
 65.7081, 0.2384,
0.3739

 65.3825, 0.2386,
0.3788

Harmonies

Analogous

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



81.0866, 0.3077, 0.3420



81.0866, 0.2983, 0.3332



81.0866, 0.2928, 0.3234

Triad

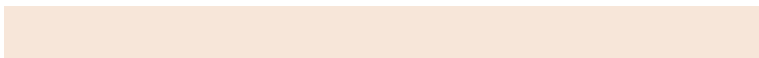
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0866, 0.2983, 0.3332



81.0866, 0.3066, 0.3116



81.0866, 0.3333, 0.3424

Complementary

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



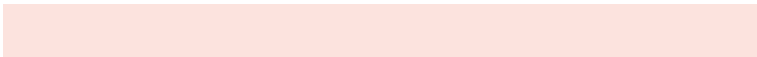
81.0866, 0.2983, 0.3332



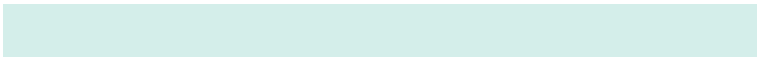
70.2572, 0.3293, 0.3249

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.



81.0866, 0.3331, 0.3341



81.0866, 0.2983, 0.3332



81.0866, 0.3175, 0.3165

Square

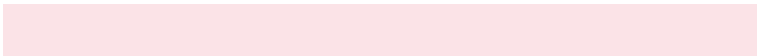
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0866, 0.2983, 0.3332



81.0866, 0.2975, 0.3111



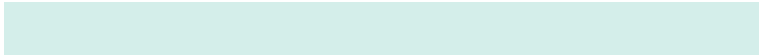
81.0866, 0.3273, 0.3247



81.0866, 0.3280, 0.3472

Rectangle

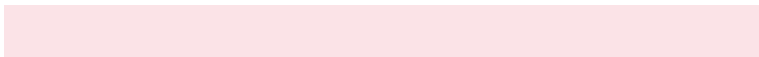
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0866, 0.2983, 0.3332



81.0866, 0.2920, 0.3177



81.0866, 0.3273, 0.3247



81.0866, 0.3339, 0.3399

Sweetspot

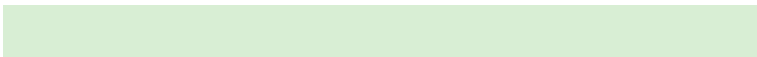
The Sweet Spot groups the original color and five complimentary colors.



81.0900, 0.2983, 0.3332



98.5026, 0.3087, 0.3301



80.5565, 0.3143, 0.3571



21.0000, 0.3076, 0.3304



0.0000, 0.0000, 0.0000



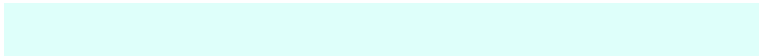
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0900, 0.2983, 0.3332



93.9230, 0.2955, 0.3341



76.4111, 0.2959, 0.3197



17.8849, 0.3001, 0.3326



36.4972, 0.2383, 0.3780



3.0474, 0.2363, 0.3708

Inverse Universe

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



70.2572, 0.3293, 0.3249



78.9651, 0.3331, 0.3240



74.4913, 0.3311, 0.3382



15.7983, 0.3269, 0.3254



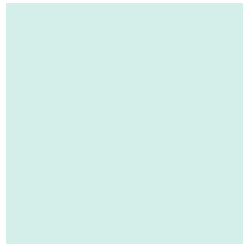
10.2255, 0.6186, 0.3181



0.8625, 0.5865, 0.3004

Previews

White Background



This preview shows how the Yxy color 81.0866, 0.2983, 0.3332 looks on a white background.

Color Contrast Check

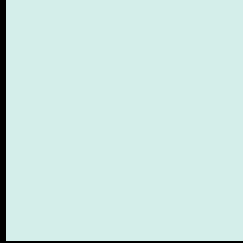
Large Text (above 18pt) WCAG AA × Fail

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 81.0866, 0.2983, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

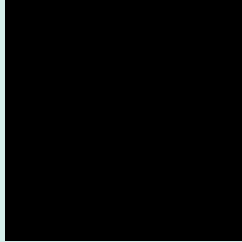
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

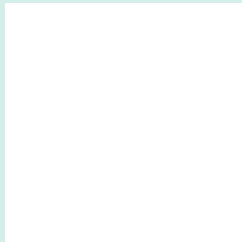
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0866, 0.2983, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 81.0866, 0.2983, 0.3332.

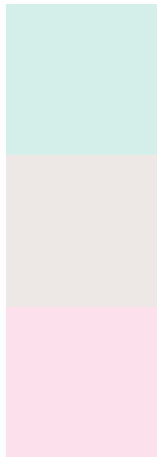


This preview shows how white text looks on a background with the Yxy color 81.0866, 0.2983, 0.3332.

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

81.0866, 0.2983, 0.3332

Protanopia

80.8695, 0.3175, 0.3300

Deuteranopia

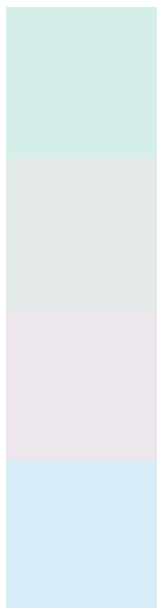
80.6603, 0.3238, 0.3171



Tritanopia

81.0195, 0.2886, 0.3092

Trichromacy



Original Color

81.0866, 0.2983, 0.3332

Protanomaly

81.1091, 0.3106, 0.3321

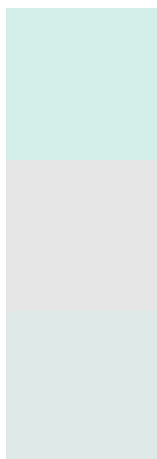
Deuteranomaly

80.6543, 0.3137, 0.3229

Tritanomaly

81.0024, 0.2920, 0.3174

Monochromacy



Original Color

81.0866, 0.2983, 0.3332

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7353, 0.3073, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0866, 0.2983, 0.3332 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(212, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(212, 238, 234)  
}
```

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(212, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 81.0866, 0.2983, 0.3332 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(212, 238, 234) }
```

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

```
.border{ border-color:rgb(212, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(212, 238,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0866, 0.2983, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 238, 234) }
```

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

```
.background{ background-color: rgb(212,  
238, 234) }
```

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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