

Converting Colors

$Yxy(80.1352, 0.2983, 0.3300)$

Have a look what the booklet for
Yxy(80.1352, 0.2983, 0.3300)
contains.

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Color

Yxy(80.1352, 0.2983, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D5ECEB
RGB	213, 236, 235
RGB Percent	84%, 93%, 92%
CMY	0.1646, 0.0745, 0.0784
CMYK	0.10, 0.00, 0.00, 0.07
HSL	177°, 38%, 88%
HSV	177°, 10%, 93%
XYZ	72.4374, 80.1352, 90.2614
YIQ	229.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

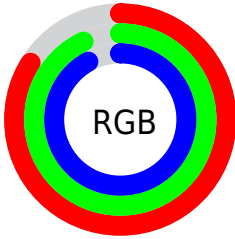
Format	Color
RYB	213, 225, 236
Decimal	14019819
CIELab	91.75, -7.71, -2.11
CIElCh	92, 7.990, 195.317
Yxy	80.1352, 0.2983, 0.3300
Android (android.graphics.Color)	4292209899 (0xFFD5ECEB)
YUV	229.0090, 2.9536, -14.0399
Hunter-Lab	89.5183, -12.2164, 2.8806

Details

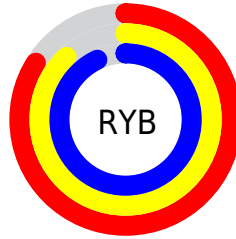
The Yxy color $80.1352, 0.2983, 0.3300$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $70.2858, 0.3291, 0.3280$, and the grayscale version is $78.3517, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.1663, 0.2951, 0.3303$ is the 20% darker color. If you saturate the color by 10%, you get $76.8042, 0.2843, 0.3311$, and if you desaturate by 10%, it is $83.9868, 0.3131, 0.3290$.

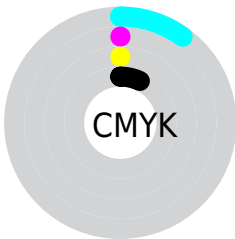
Distribution



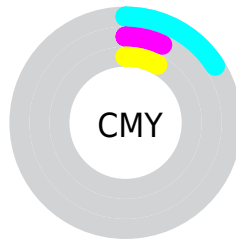
- Red (84%)
- Green (93%)
- Blue (92%)



- Red (84%)
- Yellow (88%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)





- Cyan (16%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1352, 0.2983, 0.3300 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 80.1352, 0.2983, 0.3300 by changing the saturation by 10% instead.


 80.1352, 0.2983,
0.3300

 80.1352, 0.2983,
0.3300


495.3884, 0.3048,
0.3296

 59.8296, 0.2968,
0.3301


133.5558, 0.3005,
0.3299

 43.2813, 0.2950,
0.3302


167.4396, 0.3014,
0.3298

 30.1059, 0.2928,
0.3303


206.6183, 0.3022,
0.3298

 19.9190, 0.2899,
0.3305

251.4762, 0.3029,
0.3297

 12.3362, 0.2860,
0.3306

302.3978, 0.3034,
0.3297

 6.9731, 0.2805,
0.3309

359.7674, 0.3040,

 3.4453, 0.2721,

0.3296

0.3311

423.9695, 0.3044,
0.3296

■ 1.3684, 0.2579,
0.3314

■ 0.1932, 0.0000,
0.3506

■ 80.1352, 0.2983,
0.3300

■ 80.1352, 0.2983,
0.3300

■ 76.8042, 0.2843,
0.3311

■ 83.9868, 0.3131,
0.3290

■ 73.9615, 0.2714,
0.3323


■ 87.3663, 0.3249,
0.3280

■ 71.5870, 0.2598,
0.3336

■ 87.4253, 0.3242,
0.3270


■ 69.6549, 0.2500,
0.3350


■ 87.4845, 0.3236,
0.3261


 68.1372, 0.2419,
0.3364

 87.5440, 0.3229,
0.3251

 67.0025, 0.2358,
0.3378


 87.6039, 0.3223,
0.3241

 66.2150, 0.2316,
0.3392

 87.6642, 0.3217,
0.3231

 65.7322, 0.2292,
0.3406

 87.7247, 0.3210,
0.3221

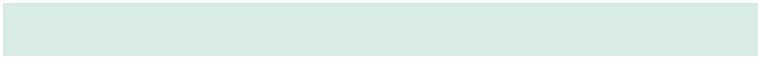
 65.4840, 0.2284,
0.3420

 87.7856, 0.3204,
0.3212

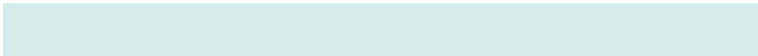
Harmonies

Analogous

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



80.1352, 0.3056, 0.3381



80.1352, 0.2983, 0.3300



80.1352, 0.2948, 0.3217

Triad

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



80.1352, 0.2983, 0.3300



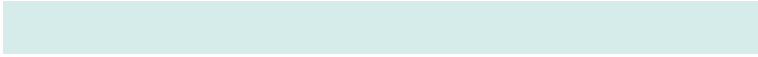
80.1352, 0.3103, 0.3148



80.1352, 0.3296, 0.3423

Complementary

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



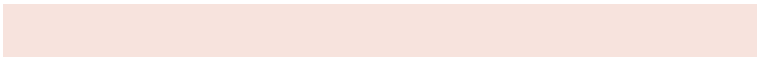
80.1352, 0.2983, 0.3300



70.2858, 0.3291, 0.3280

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.



80.1352, 0.3310, 0.3359



80.1352, 0.2983, 0.3300



80.1352, 0.3197, 0.3201

Square

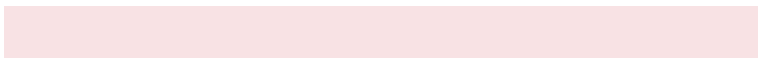
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



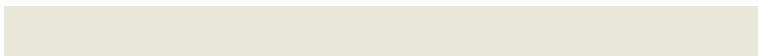
80.1352, 0.2983, 0.3300



80.1352, 0.3017, 0.3131



80.1352, 0.3273, 0.3278



80.1352, 0.3237, 0.3453

Rectangle

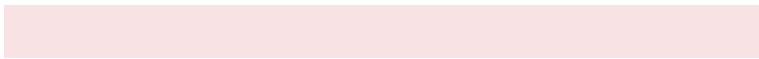
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



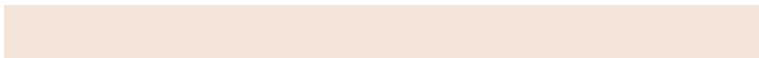
80.1352, 0.2983, 0.3300



80.1352, 0.2951, 0.3173



80.1352, 0.3273, 0.3278



80.1352, 0.3306, 0.3405

Sweetspot

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



80.1386, 0.2983, 0.3300



98.5569, 0.3082, 0.3293



79.1168, 0.3123, 0.3541



21.0148, 0.3070, 0.3294



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.



80.1386, 0.2983, 0.3300



94.5677, 0.2950, 0.3303



74.4120, 0.2976, 0.3178



17.1102, 0.2987, 0.3300



36.0985, 0.2283, 0.3418



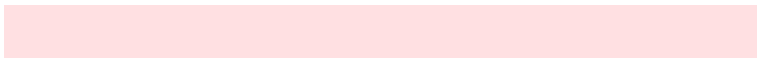
2.8380, 0.2277, 0.3399

Inverse Universe

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



70.2858, 0.3291, 0.3280



80.2612, 0.3336, 0.3278



75.6057, 0.3286, 0.3400



15.0644, 0.3286, 0.3280



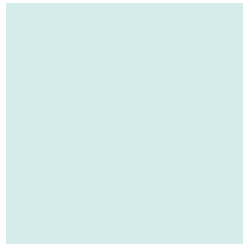
9.8467, 0.6355, 0.3274



0.7769, 0.6232, 0.3207

Previews

White Background



This preview shows how the Yxy color 80.1352, 0.2983, 0.3300 looks on a white background.

Color Contrast Check

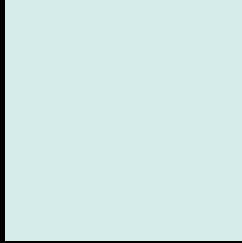
Large Text (above 18pt) WCAG AA × Fail

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 80.1352, 0.2983, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

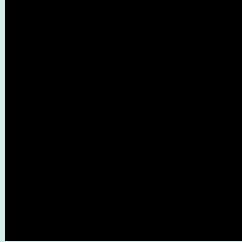
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

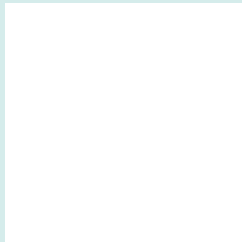
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1352, 0.2983, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 80.1352, 0.2983, 0.3300.

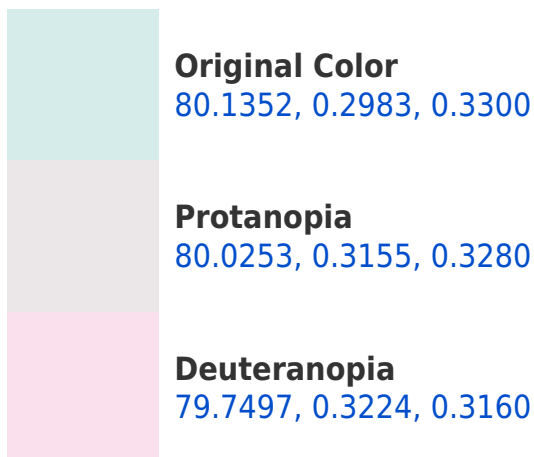


This preview shows how white text looks on a background with the Yxy color 80.1352, 0.2983, 0.3300.

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

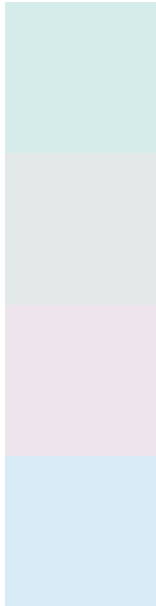




Tritanopia

79.9050, 0.2902, 0.3091

Trichromacy



Original Color

80.1352, 0.2983, 0.3300

Protanomaly

79.8703, 0.3093, 0.3290

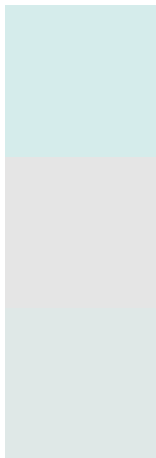
Deuteranomaly

79.5475, 0.3138, 0.3208

Tritanomaly

79.9465, 0.2931, 0.3163

Monochromacy



Original Color

80.1352, 0.2983, 0.3300

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1707, 0.3073, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1352, 0.2983, 0.3300 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(213, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 236, 235)  
}
```

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(213, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 236, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.1352, 0.2983, 0.3300 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(213, 236, 235) }
```

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

```
.border{ border-color:rgb(213, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 236,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1352, 0.2983, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 236, 235) }
```

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

```
.background{ background-color: rgb(213,  
236, 235) }
```

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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