

Converting Colors

$Yxy(80.7309, 0.2984, 0.3310)$

Have a look what the booklet for
Yxy(80.7309, 0.2984, 0.3310)
contains.

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Color

Yxy(80.7127, 0.2983, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	D5EDEB
RGB	213, 237, 235
RGB Percent	84%, 93%, 92%
CMY	0.1648, 0.0706, 0.0784
CMYK	0.10, 0.00, 0.01, 0.07
HSL	175°, 40%, 88%
HSV	175°, 10%, 93%
XYZ	72.7170, 80.7127, 90.3417
YIQ	229.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

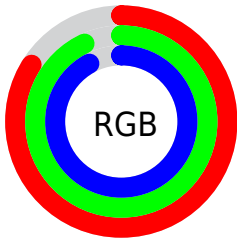
Format	Color
R _Y B	213, 226, 237
Decimal	14020075
CIE Lab	92.00, -8.23, -1.72
CIE LCh	92, 8.410, 191.809
Yxy	80.7127, 0.2983, 0.3311
Android (android.graphics.Color)	4292210155 (0xFFD5EDEB)
YUV	229.5960, 2.6642, -14.5547
Hunter-Lab	89.8402, -12.7419, 3.2673

Details

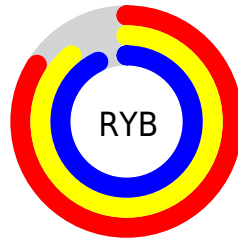
The Yxy color **80.7127, 0.2983, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4951, 0.3292, 0.3269**, and the grayscale version is **78.8047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5715, 0.2951, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **77.3133, 0.2848, 0.3334**, and if you desaturate by 10%, it is **84.6381, 0.3125, 0.3290**.

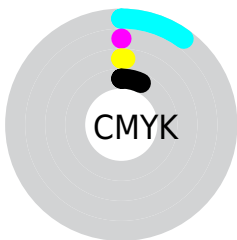
Distribution



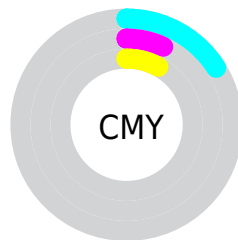
- Red (84%)
- Green (93%)
- Blue (92%)



- Red (84%)
- Yellow (89%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7127, 0.2983, 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 80.7127, 0.2983, 0.3311 by changing the saturation by 10% instead.

80.7127, 0.2983,
0.3311

80.7127, 0.2983,
0.3311

497.3314, 0.3048,
0.3302

60.3050, 0.2968,
0.3313

134.3673, 0.3005,
0.3308

43.6645, 0.2950,
0.3315

168.3830, 0.3014,
0.3307

30.4069, 0.2928,
0.3318

207.7034, 0.3022,
0.3306

20.1476, 0.2899,
0.3322

252.7131, 0.3028,
0.3305

12.5024, 0.2860,
0.3327

303.7963, 0.3034,
0.3304

7.0868, 0.2805,
0.3334

361.3375, 0.3040,

3.5164, 0.2722,

0.3303

0.3343

425.7211, 0.3044,
0.3302

■ 1.4069, 0.2582,
0.3357

■ 0.2218, 0.0167,
0.3737

■ 80.7127, 0.2983,
0.3311

■ 80.7127, 0.2983,
0.3311

■ 77.3133, 0.2848,
0.3334

■ 84.6381, 0.3125,
0.3290

■ 74.4073, 0.2724,
0.3358

■ 88.0635, 0.3235,
0.3271


■ 71.9741, 0.2613,
0.3384

■ 88.1814, 0.3223,
0.3252

■ 69.9877, 0.2518,
0.3412


■ 88.3005, 0.3210,
0.3233


 68.4196, 0.2441,
0.3440


 88.4210, 0.3198,
0.3213


 67.2380, 0.2383,
0.3468

 88.5427, 0.3185,
0.3194


 66.4065, 0.2345,
0.3497

 88.6658, 0.3173,
0.3175

 65.8817, 0.2325,
0.3526

 88.7901, 0.3161,
0.3156

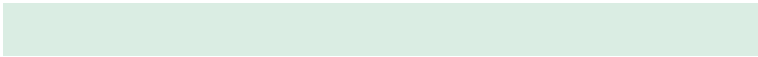
 65.5924, 0.2320,
0.3553

 88.9158, 0.3149,
0.3137

Harmonies

Analogous

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



80.7127, 0.3063, 0.3395



80.7127, 0.2983, 0.3311



80.7127, 0.2941, 0.3223

Triad

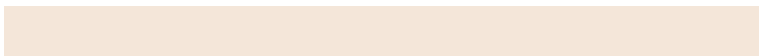
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7127, 0.2983, 0.3311



80.7127, 0.3091, 0.3137



80.7127, 0.3309, 0.3423

Complementary

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



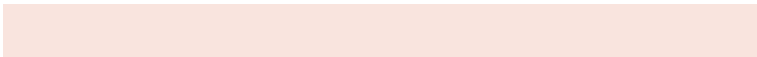
80.7127, 0.2983, 0.3311



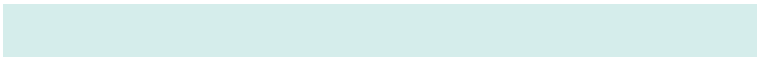
70.4951, 0.3292, 0.3269

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.



80.7127, 0.3317, 0.3353



80.7127, 0.2983, 0.3311



80.7127, 0.3190, 0.3189

Square

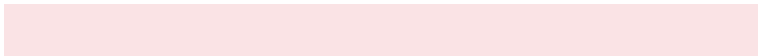
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7127, 0.2983, 0.3311



80.7127, 0.3003, 0.3124



80.7127, 0.3273, 0.3267



80.7127, 0.3252, 0.3459

Rectangle

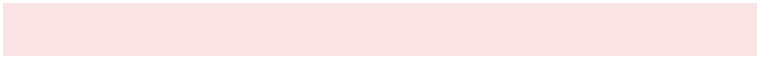
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



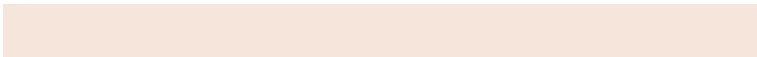
80.7127, 0.2983, 0.3311



80.7127, 0.2940, 0.3174



80.7127, 0.3273, 0.3267



80.7127, 0.3318, 0.3403

Sweetspot

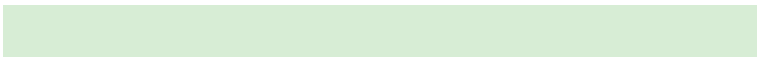
The Sweet Spot groups the original color and five complimentary colors.



80.7161, 0.2983, 0.3311



98.5367, 0.3084, 0.3296



79.8834, 0.3131, 0.3551



21.0093, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



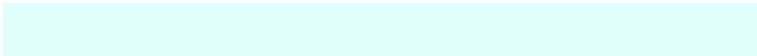
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7161, 0.2983, 0.3311



94.4874, 0.2957, 0.3315



75.4171, 0.2970, 0.3186



17.0989, 0.2992, 0.3310



35.8176, 0.2319, 0.3549



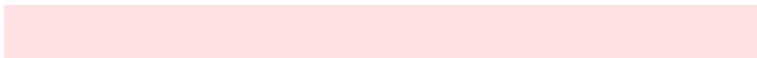
2.8190, 0.2308, 0.3509

Inverse Universe

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



70.4951, 0.3292, 0.3269



80.3305, 0.3327, 0.3265



75.3697, 0.3295, 0.3392



15.0745, 0.3280, 0.3271



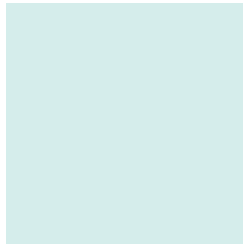
9.8647, 0.6307, 0.3248



0.7817, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 80.7127, 0.2983, 0.3311 looks on a white background.

Color Contrast Check

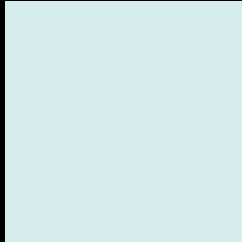
Large Text (above 18pt) WCAG AA × Fail

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 80.7127, 0.2983, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

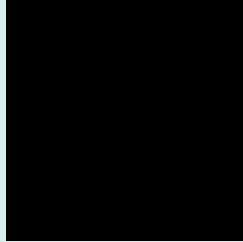
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

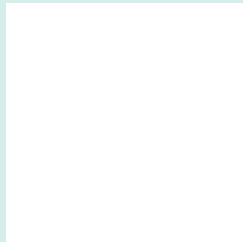
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7127, 0.2983, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 80.7127, 0.2983, 0.3311.

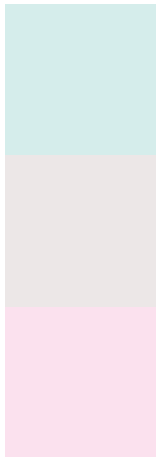


This preview shows how white text looks on a background with the Yxy color 80.7127, 0.2983, 0.3311.

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



Original Color

80.7127, 0.2983, 0.3311

Protanopia

80.7542, 0.3161, 0.3290

Deuteranopia

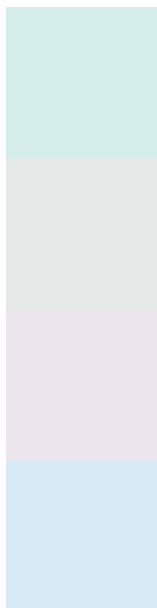
80.5327, 0.3224, 0.3161



Tritanopia

80.5364, 0.2897, 0.3092

Trichromacy



Original Color

80.7127, 0.2983, 0.3311

Protanomaly

80.5980, 0.3100, 0.3300

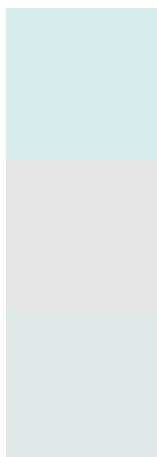
Deuteranomaly

80.1576, 0.3131, 0.3208

Tritanomaly

80.5176, 0.2931, 0.3174

Monochromacy



Original Color

80.7127, 0.2983, 0.3311

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.9513, 0.3073, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7127, 0.2983, 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(213, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 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, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.7127, 0.2983, 0.3311 is called "border". The border property can be set on classes, ids or directly on the HTML element.

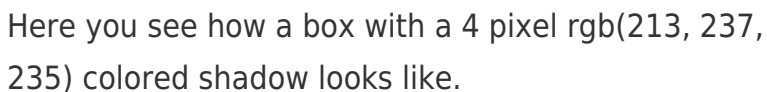
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 237, 235) }
```

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

```
.border{ border-color:rgb(213, 237, 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, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 237, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 237, 235); box-shadow:4px 4px 4px 4px rgb(213, 237, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7127, 0.2983, 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(213, 237, 235) }
```

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

```
.background{ background-color: rgb(213,  
237, 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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