

Converting Colors

$Yxy(80.7810, 0.2992, 0.3271)$

Have a look what the booklet for
Yxy(80.7810, 0.2992, 0.3271)
contains.

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Color

Yxy(80.9157, 0.2991, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	D9ECEE
RGB	217, 236, 238
RGB Percent	85%, 93%, 93%
CMY	0.1488, 0.0745, 0.0665
CMYK	0.09, 0.01, 0.00, 0.07
HSL	186°, 38%, 89%
HSV	186°, 9%, 93%
XYZ	74.0572, 80.9157, 92.6272
YIQ	230.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

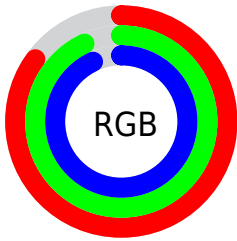
Format	Color
R _Y B	217, 227, 238
Decimal	14281966
CIE Lab	92.09, -5.83, -3.14
CIE LCh	92, 6.620, 208.283
Yxy	80.9157, 0.2991, 0.3268
Android (android.graphics.Color)	4292472046 (0xFFD9ECEE)
YUV	230.5470, 3.6743, -11.8807
Hunter-Lab	89.9532, -10.4615, 1.9147

Details

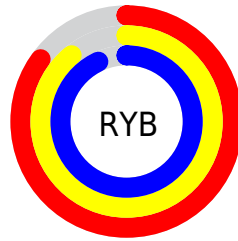
The Yxy color **80.9157, 0.2991, 0.3268** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9052, 0.3278, 0.3312**, and the grayscale version is **79.5445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7013, 0.2961, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **76.2045, 0.2842, 0.3241**, and if you desaturate by 10%, it is **86.1771, 0.3146, 0.3293**.

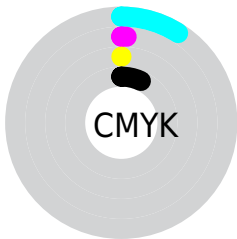
Distribution



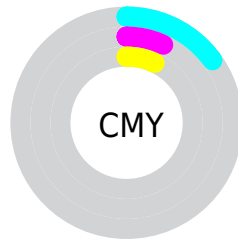
- Red (85%)
- Green (93%)
- Blue (93%)



- Red (85%)
- Yellow (89%)
- Blue (93%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9157, 0.2991, 0.3268 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 80.9157, 0.2991, 0.3268 by changing the saturation by 10% instead.

80.9157, 0.2991,
0.3268

80.9157, 0.2991,
0.3268

498.0135, 0.3053,
0.3278

60.4722, 0.2977,
0.3266

134.6524, 0.3012,
0.3272

43.7993, 0.2960,
0.3263

168.7144, 0.3020,
0.3273

30.5128, 0.2939,
0.3259

208.0846, 0.3028,
0.3274

20.2281, 0.2912,
0.3254

253.1475, 0.3034,
0.3275

12.5610, 0.2875,
0.3247

304.2874, 0.3039,
0.3276

7.1269, 0.2824,
0.3237

361.8888, 0.3044,

3.5416, 0.2746,

0.3277

0.3220

426.3360, 0.3049,
0.3278

■ 1.4206, 0.2615,
0.3191

■ 0.2318, 0.0999,
0.2966

■ 80.9157, 0.2991,
0.3268

■ 80.9157, 0.2991,
0.3268

■ 76.2045, 0.2842,
0.3241

■ 86.1771, 0.3146,
0.3293

■ 72.0109, 0.2702,
0.3212


■ 90.1223, 0.3238,
0.3316

■ 68.3140, 0.2573,
0.3181


■ 91.4995, 0.3236,
0.3338

■ 65.0880, 0.2459,
0.3149

■ 92.8943, 0.3234,
0.3360


 62.3043, 0.2362,
0.3115


 94.3066, 0.3232,
0.3383

 59.9311, 0.2284,
0.3081


 95.7365, 0.3230,
0.3405


 57.9324, 0.2225,
0.3047

 97.1841, 0.3228,
0.3427

 56.2655, 0.2186,
0.3014

 98.6495, 0.3226,
0.3449

 54.8666, 0.2163,
0.2981

 98.9549, 0.3226,
0.3454

Harmonies

Analogous

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



80.9157, 0.3039, 0.3338



80.9157, 0.2991, 0.3268



80.9157, 0.2979, 0.3205

Triad

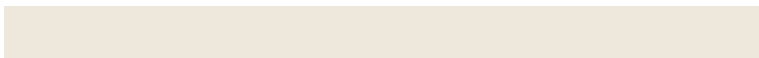
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9157, 0.2991, 0.3268



80.9157, 0.3142, 0.3188



80.9157, 0.3250, 0.3415

Complementary

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



80.9157, 0.2991, 0.3268



73.9052, 0.3278, 0.3312

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.



80.9157, 0.3278, 0.3373



80.9157, 0.2991, 0.3268



80.9157, 0.3215, 0.3243

Square

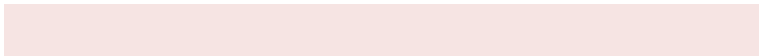
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9157, 0.2991, 0.3268



80.9157, 0.3065, 0.3161



80.9157, 0.3265, 0.3310



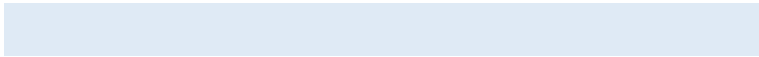
80.9157, 0.3188, 0.3423

Rectangle

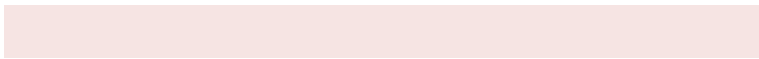
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



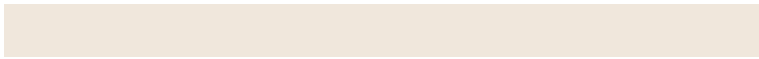
80.9157, 0.2991, 0.3268



80.9157, 0.2993, 0.3176



80.9157, 0.3265, 0.3310



80.9157, 0.3263, 0.3404

Sweetspot

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



80.9191, 0.2991, 0.3268



98.1038, 0.3080, 0.3283



81.0305, 0.3106, 0.3497



20.8919, 0.3068, 0.3281



0.0000, 0.0000, 0.0000



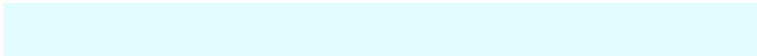
21.4041, 0.3127, 0.3290

Same Dimension

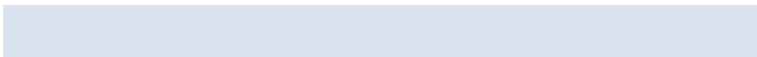
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9191, 0.2991, 0.3268



93.3335, 0.2957, 0.3262



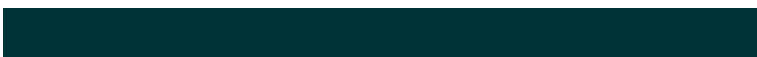
75.2135, 0.2991, 0.3159



17.6506, 0.2981, 0.3266



30.6195, 0.2162, 0.2982



2.6229, 0.2174, 0.3026

Inverse Universe

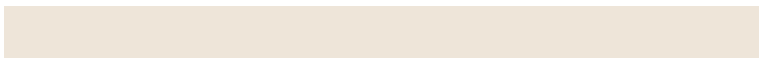
The Inverse Universe completely reimagines the original color for something new.



73.8889, 0.3151, 0.3095



83.2163, 0.3157, 0.3044



79.3935, 0.3267, 0.3418



16.0033, 0.3153, 0.3080



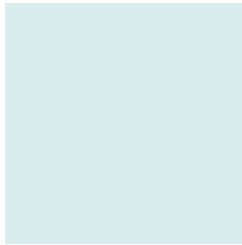
12.8844, 0.3470, 0.1685



1.0795, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 80.9157, 0.2991, 0.3268 looks on a white background.

Color Contrast Check

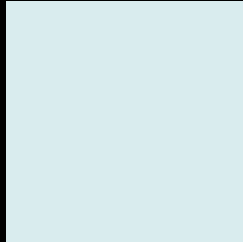
Large Text (above 18pt) WCAG AA × Fail

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 80.9157, 0.2991, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

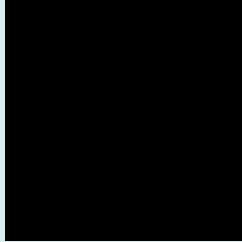
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

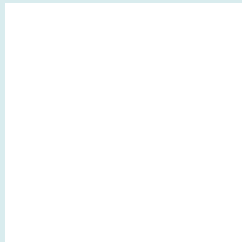
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9157, 0.2991, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 80.9157, 0.2991, 0.3268.

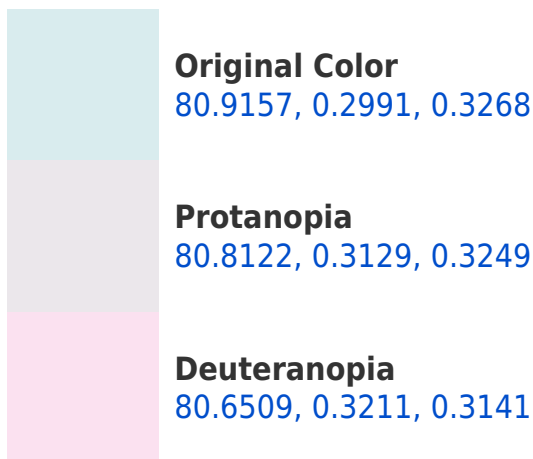


This preview shows how white text looks on a background with the Yxy color 80.9157, 0.2991, 0.3268.

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

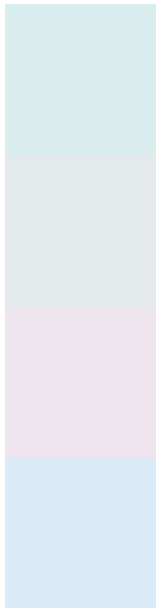




Tritanopia

80.9340, 0.2922, 0.3103

Trichromacy



Original Color

80.9157, 0.2991, 0.3268

Protanomaly

80.8279, 0.3075, 0.3259

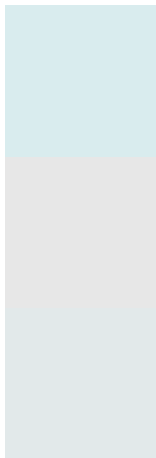
Deuteranomaly

80.6213, 0.3132, 0.3188

Tritanomaly

81.0375, 0.2944, 0.3164

Monochromacy



Original Color

80.9157, 0.2991, 0.3268

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.3871, 0.3074, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9157, 0.2991, 0.3268 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, 236, 238)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 238)  
}
```

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, 236, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.9157, 0.2991, 0.3268 is called "border". The border property can be set on classes, ids or directly on the HTML element.

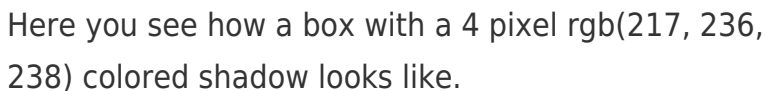
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 236, 238) }
```

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

```
.border{ border-color:rgb(217, 236, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 236, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 236, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 236, 238); box-shadow:4px 4px 4px 4px rgb(217, 236, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9157, 0.2991, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 238) }
```

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

```
.background{ background-color: rgb(217,  
236, 238) }
```

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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