

Converting Colors

$Yxy(81.1239, 0.3085, 0.3354)$

Have a look what the booklet for
Yxy(81.1239, 0.3085, 0.3354)
contains.

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Color

Yxy(80.7618, 0.3084, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	DFEBE5
RGB	223, 235, 229
RGB Percent	87%, 92%, 90%
CMY	0.1255, 0.0784, 0.1019
CMYK	0.05, 0.00, 0.03, 0.08
HSL	150°, 23%, 90%
HSV	150°, 5%, 92%
XYZ	74.2826, 80.7618, 85.8200
YIQ	230.7280, -5.2260, -4.4100

Conversions

Conversions Part 2

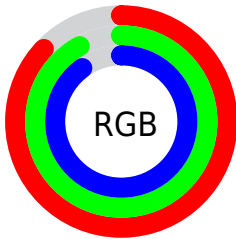
Format	Color
R _Y B	223, 231, 235
Decimal	14674917
CIE Lab	92.03, -5.07, 1.51
CIE LCh	92, 5.287, 163.449
Yxy	80.7618, 0.3084, 0.3353
Android (android.graphics.Color)	4292864997 (0xFFDFEBE5)
YUV	230.7280, -0.8519, -6.7775
Hunter-Lab	89.8676, -9.7241, 6.2877

Details

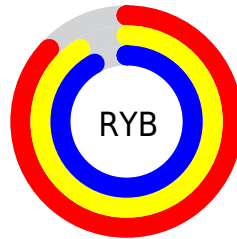
The Yxy color **80.7618, 0.3084, 0.3353** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0885, 0.3173, 0.3228**, and the grayscale version is **79.7096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6210, 0.3072, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **76.6564, 0.3001, 0.3487**, and if you desaturate by 10%, it is **85.4362, 0.3168, 0.3233**.

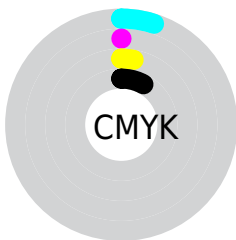
Distribution



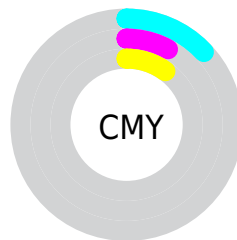
- Red (87%)
- Green (92%)
- Blue (90%)



- Red (87%)
- Yellow (91%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7618, 0.3084, 0.3353 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 80.7618, 0.3084, 0.3353 by changing the saturation by 10% instead.

■ 80.7618, 0.3084,
0.3353

■ 80.7618, 0.3084,
0.3353

497.4965, 0.3104,
0.3324

■ 60.3454, 0.3080,
0.3359

134.4363, 0.3091,
0.3343

■ 43.6971, 0.3074,
0.3367

168.4631, 0.3093,
0.3339

■ 30.4325, 0.3067,
0.3377

207.7956, 0.3096,
0.3336

■ 20.1671, 0.3058,
0.3390

252.8182, 0.3098,
0.3333

■ 12.5166, 0.3046,
0.3408

303.9151, 0.3100,
0.3330

■ 7.0965, 0.3029,
0.3433

361.4709, 0.3101,

■ 3.5225, 0.3003,

0.3328

0.3472

425.8699, 0.3102,
0.3326

■ 1.4102, 0.2958,
0.3539

■ 0.2242, 0.1976,
0.4955

■ 80.7618, 0.3084,
0.3353

■ 80.7618, 0.3084,
0.3353

■ 76.6564, 0.3001,
0.3487

■ 85.4362, 0.3168,
0.3233

■ 73.0876, 0.2921,
0.3637


■ 87.7351, 0.3152,
0.3122


■ 70.0352, 0.2848,
0.3801


■ 87.9004, 0.3136,
0.3097


■ 67.4739, 0.2784,
0.3978

 65.3762, 0.2734,
0.4166

 63.7116, 0.2699,
0.4361

 62.4460, 0.2684,
0.4558

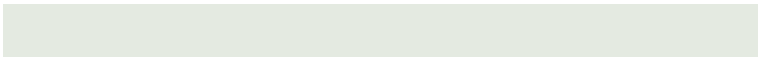
 61.5397, 0.2688,
0.4753

 60.9441, 0.2713,
0.4938

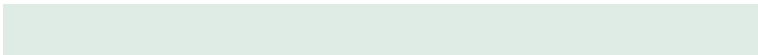
Harmonies

Analogous

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



80.7618, 0.3146, 0.3388



80.7618, 0.3084, 0.3353



80.7618, 0.3034, 0.3300

Triad

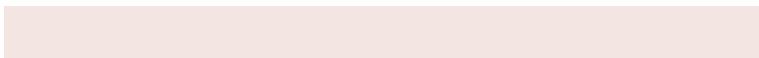
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7618, 0.3084, 0.3353



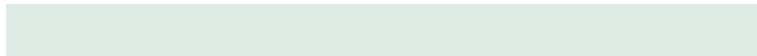
80.7618, 0.3051, 0.3185



80.7618, 0.3247, 0.3333

Complementary

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



80.7618, 0.3084, 0.3353



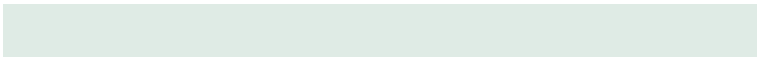
76.0885, 0.3173, 0.3228

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.



80.7618, 0.3221, 0.3279



80.7618, 0.3084, 0.3353



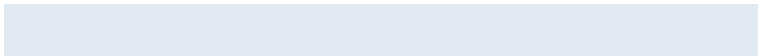
80.7618, 0.3108, 0.3194

Square

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



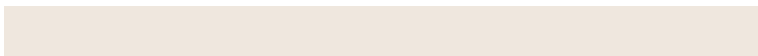
80.7618, 0.3084, 0.3353



80.7618, 0.3016, 0.3204



80.7618, 0.3170, 0.3229



80.7618, 0.3240, 0.3376

Rectangle

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



80.7618, 0.3084, 0.3353



80.7618, 0.3014, 0.3263



80.7618, 0.3170, 0.3229



80.7618, 0.3242, 0.3315

Sweetspot

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



80.7652, 0.3084, 0.3353



98.8831, 0.3110, 0.3314



81.4052, 0.3162, 0.3416



21.1768, 0.3111, 0.3313



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.



80.7652, 0.3084, 0.3353



96.7320, 0.3076, 0.3365



81.1052, 0.3048, 0.3290



17.2465, 0.3071, 0.3372



33.8225, 0.2721, 0.4997



2.6753, 0.2651, 0.4745

Inverse Universe

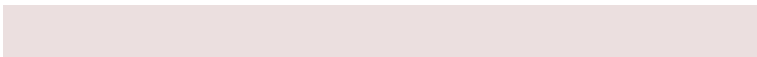
The Inverse Universe completely reimagines the original color for something new.



76.0885, 0.3173, 0.3228



90.1385, 0.3181, 0.3217



75.7601, 0.3212, 0.3290



15.9552, 0.3187, 0.3209



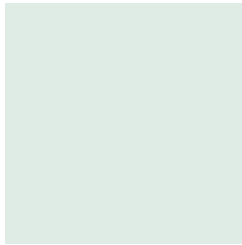
10.5698, 0.4966, 0.2509



0.8494, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 80.7618, 0.3084, 0.3353 looks on a white background.

Color Contrast Check

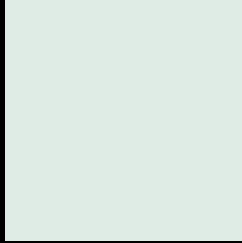
Large Text (above 18pt) WCAG AA × Fail

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 80.7618, 0.3084, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

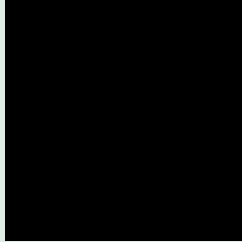
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

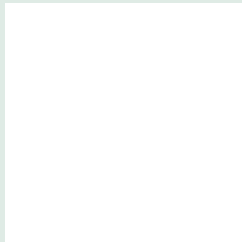
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7618, 0.3084, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 80.7618, 0.3084, 0.3353.

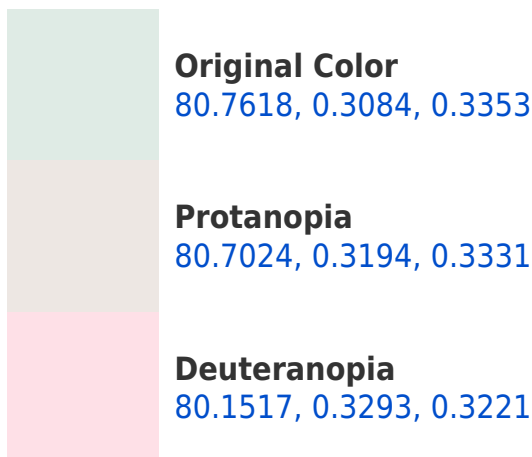


This preview shows how white text looks on a background with the Yxy color 80.7618, 0.3084, 0.3353.

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

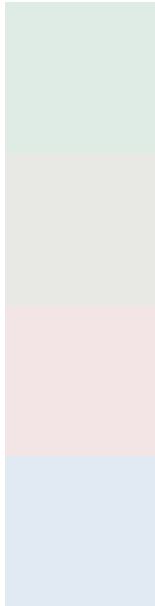




Tritanopia

80.7841, 0.2977, 0.3105

Trichromacy



Original Color

80.7618, 0.3084, 0.3353

Protanomaly

80.4705, 0.3152, 0.3332

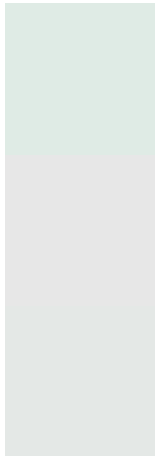
Deuteranomaly

80.2547, 0.3218, 0.3270

Tritanomaly

80.6962, 0.3019, 0.3196

Monochromacy



Original Color

80.7618, 0.3084, 0.3353

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9204, 0.3113, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7618, 0.3084, 0.3353 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(223, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 229)  
}
```

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(223, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.7618, 0.3084, 0.3353 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(223, 235, 229) }
```

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

```
.border{ border-color:rgb(223, 235, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 235, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7618, 0.3084, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 229) }
```

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

```
.background{ background-color: rgb(223,  
235, 229) }
```

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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