

Converting Colors

$Yxy(80.7044, 0.3057, 0.3361)$

Have a look what the booklet for
Yxy(80.7044, 0.3057, 0.3361)
contains.

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Color

Yxy(80.7081, 0.3058, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	DBECE5
RGB	219, 236, 229
RGB Percent	86%, 93%, 90%
CMY	0.1409, 0.0746, 0.1019
CMYK	0.07, 0.00, 0.03, 0.07
HSL	155°, 31%, 89%
HSV	155°, 7%, 93%
XYZ	73.3666, 80.7081, 85.8423
YIQ	230.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

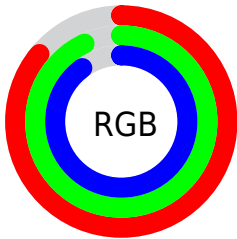
Format	Color
R_{YB}	219, 230, 236
Decimal	14413029
CIE Lab	92.00, -6.87, 1.45
CIE LCh	92, 7.016, 168.084
Yxy	80.7081, 0.3058, 0.3364
Android (android.graphics.Color)	4292603109 (0xFFDBECE5)
YUV	230.1190, -0.5517, -9.7514
Hunter-Lab	89.8377, -11.4426, 6.2332

Details

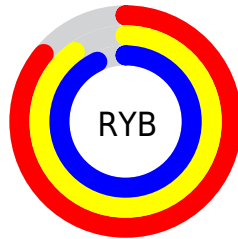
The Yxy color **80.7081, 0.3058, 0.3364** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0224, 0.3202, 0.3217**, and the grayscale version is **79.2413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5910, 0.3038, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **76.7767, 0.2964, 0.3477**, and if you desaturate by 10%, it is **85.1958, 0.3155, 0.3262**.

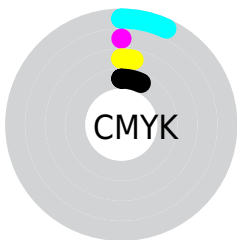
Distribution



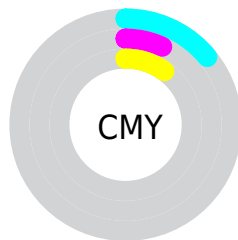
- Red (86%)
- Green (93%)
- Blue (90%)



- Red (86%)
- Yellow (90%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (14%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7081, 0.3058, 0.3364 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 80.7081, 0.3058, 0.3364 by changing the saturation by 10% instead.


 80.7081, 0.3058,
0.3364

 80.7081, 0.3058,
0.3364

497.3160, 0.3090,
0.3330

 60.3012, 0.3051,
0.3372

134.3608, 0.3069,
0.3352

 43.6615, 0.3042,
0.3381


168.3755, 0.3073,
0.3348

 30.4045, 0.3031,
0.3393

207.6948, 0.3077,
0.3344

 20.1458, 0.3017,
0.3408

252.7033, 0.3080,
0.3340

 12.5011, 0.2998,
0.3429

303.7852, 0.3083,
0.3337

 7.0859, 0.2971,
0.3458

361.3250, 0.3085,

 3.5159, 0.2929,

0.3335

0.3504

425.7072, 0.3088,
0.3332

■ 1.4066, 0.2857,
0.3583

■ 0.2216, 0.1063,
0.5477

■ 80.7081, 0.3058,
0.3364

■ 80.7081, 0.3058,
0.3364

■ 76.7767, 0.2964,
0.3477

■ 85.1958, 0.3155,
0.3262

■ 73.3692, 0.2875,
0.3603

■ 88.0509, 0.3176,
0.3169

■ 70.4651, 0.2794,
0.3739

■ 88.4637, 0.3136,
0.3107

■ 68.0389, 0.2724,
0.3886

■ 66.0626, 0.2669,
0.4041

■ 64.5052, 0.2631,
0.4201

■ 63.3318, 0.2613,
0.4364

■ 62.5013, 0.2616,
0.4526

■ 61.9605, 0.2638,
0.4682

Harmonies

Analogous

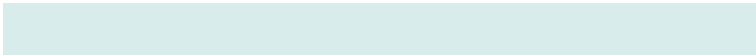
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7081, 0.3139, 0.3416



80.7081, 0.3058, 0.3364



80.7081, 0.2996, 0.3292

Triad

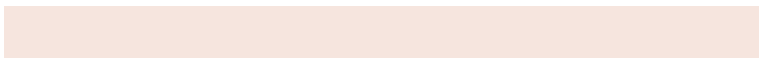
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7081, 0.3058, 0.3364



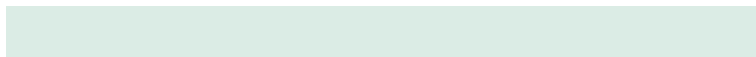
80.7081, 0.3037, 0.3151



80.7081, 0.3288, 0.3357

Complementary

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



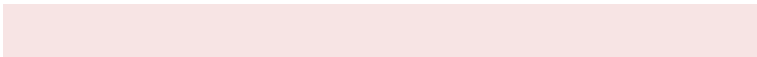
80.7081, 0.3058, 0.3364



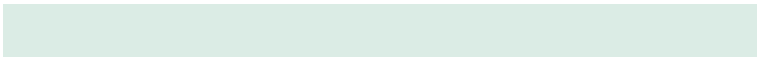
74.0224, 0.3202, 0.3217

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.



80.7081, 0.3260, 0.3286



80.7081, 0.3058, 0.3364



80.7081, 0.3114, 0.3169

Square

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



80.7081, 0.3058, 0.3364



80.7081, 0.2984, 0.3169



80.7081, 0.3196, 0.3218



80.7081, 0.3272, 0.3410

Rectangle

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



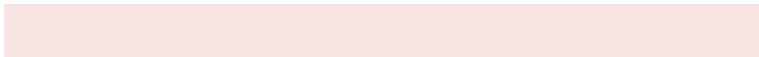
80.7081, 0.3058, 0.3364



80.7081, 0.2974, 0.3243



80.7081, 0.3196, 0.3218



80.7081, 0.3283, 0.3334

Sweetspot

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



80.7115, 0.3058, 0.3364



98.9107, 0.3108, 0.3310



81.2894, 0.3166, 0.3469



21.1824, 0.3109, 0.3309



0.0000, 0.0000, 0.0000



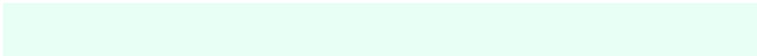
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7115, 0.3058, 0.3364



95.3091, 0.3040, 0.3384



80.3008, 0.3016, 0.3275



17.0106, 0.3036, 0.3389



34.1157, 0.2639, 0.4701



2.6980, 0.2579, 0.4484

Inverse Universe

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



74.0224, 0.3202, 0.3217



85.3834, 0.3223, 0.3198



74.3859, 0.3248, 0.3305



15.1571, 0.3228, 0.3193



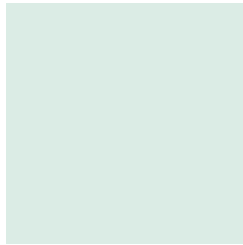
10.3339, 0.5323, 0.2706



0.8302, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 80.7081, 0.3058, 0.3364 looks on a white background.

Color Contrast Check

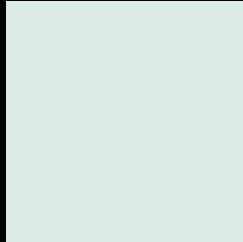
Large Text (above 18pt) WCAG AA × Fail

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 80.7081, 0.3058, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

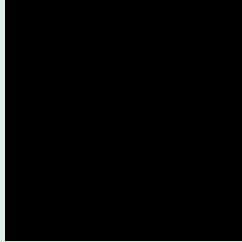
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

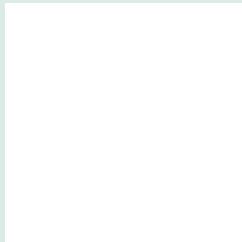
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7081, 0.3058, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 80.7081, 0.3058, 0.3364.

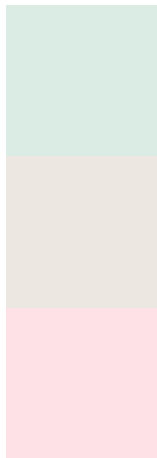


This preview shows how white text looks on a background with the Yxy color 80.7081, 0.3058, 0.3364.

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

80.7081, 0.3058, 0.3364

Protanopia

80.6473, 0.3200, 0.3342

Deuteranopia

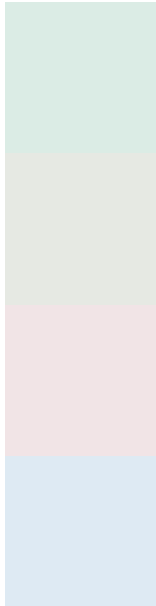
80.1517, 0.3293, 0.3221



Tritanopia

80.9308, 0.2952, 0.3104

Trichromacy



Original Color

80.7081, 0.3058, 0.3364

Protanomaly

80.6469, 0.3145, 0.3353

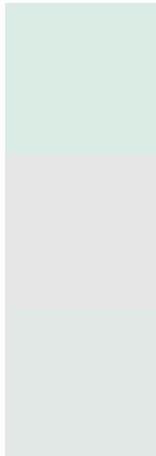
Deuteranomaly

79.9007, 0.3204, 0.3270

Tritanomaly

80.8463, 0.2993, 0.3196

Monochromacy



Original Color

80.7081, 0.3058, 0.3364

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.5951, 0.3099, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7081, 0.3058, 0.3364 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(219, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(219, 236, 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(219, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 236, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.7081, 0.3058, 0.3364 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(219, 236, 229) }
```

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

```
.border{ border-color:rgb(219, 236, 229) }
```

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

Here you see how a box with a 4 pixel rgb(219, 236, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(219, 236,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7081, 0.3058, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 236, 229) }
```

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

```
.background{ background-color: rgb(219,  
236, 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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