

Converting Colors

$Yxy(81.3512, 0.3047, 0.3312)$

Have a look what the booklet for
Yxy(81.3512, 0.3047, 0.3312)
contains.

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Color

Yxy(81.4610, 0.3047, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	DEECEA
RGB	222, 236, 234
RGB Percent	87%, 93%, 92%
CMY	0.1295, 0.0745, 0.0824
CMYK	0.06, 0.00, 0.01, 0.07
HSL	171°, 27%, 90%
HSV	171°, 6%, 93%
XYZ	74.9658, 81.4610, 89.6046
YIQ	231.5860, -7.7020, -3.5900

Conversions

Conversions Part 2

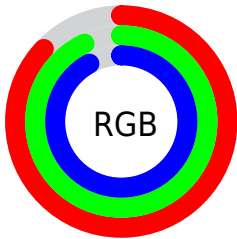
Format	Color
R _Y B	222, 230, 236
Decimal	14609642
CIE Lab	92.34, -5.00, -0.63
CIE LCh	92, 5.040, 187.236
Yxy	81.4610, 0.3047, 0.3311
Android (android.graphics.Color)	4292799722 (0xFFDEECEA)
YUV	231.5860, 1.1901, -8.4069
Hunter-Lab	90.2557, -9.6868, 4.3167

Details

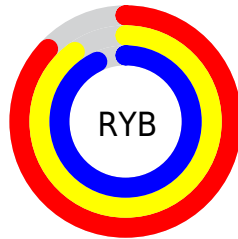
The Yxy color **81.4610, 0.3047, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4519, 0.3214, 0.3269**, and the grayscale version is **80.3658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0724, 0.3033, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **77.8015, 0.2917, 0.3349**, and if you desaturate by 10%, it is **85.6528, 0.3183, 0.3276**.

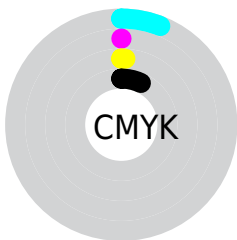
Distribution



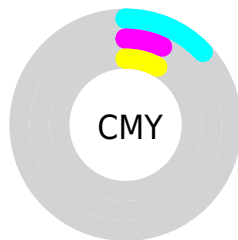
- Red (87%)
- Green (93%)
- Blue (92%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4610, 0.3047, 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 81.4610, 0.3047, 0.3311 by changing the saturation by 10% instead.

■ 81.4610, 0.3047,
0.3311

■ 81.4610, 0.3047,
0.3311

499.8430, 0.3083,
0.3302

■ 60.9213, 0.3039,
0.3313

135.4179, 0.3059,
0.3308

■ 44.1617, 0.3029,
0.3316

169.6039, 0.3064,
0.3307

■ 30.7976, 0.3016,
0.3319

209.1075, 0.3069,
0.3305

■ 20.4448, 0.3000,
0.3323

254.3131, 0.3072,
0.3304

■ 12.7188, 0.2979,
0.3328

305.6050, 0.3076,
0.3304

■ 7.2352, 0.2948,
0.3336

363.3677, 0.3078,

■ 3.6096, 0.2902,

0.3303

0.3348

427.9856, 0.3081,
0.3302

■ 1.4577, 0.2823,
0.3367

■ 0.2587, 0.1747,
0.3651

■ 81.4610, 0.3047,
0.3311

■ 81.4610, 0.3047,
0.3311

■ 77.8015, 0.2917,
0.3349

■ 85.6528, 0.3183,
0.3276

■ 74.6423, 0.2795,
0.3391

■ 87.5959, 0.3225,
0.3244

■ 71.9639, 0.2684,
0.3435

■ 87.8009, 0.3203,
0.3211

■ 69.7414, 0.2587,
0.3483


■ 88.0098, 0.3182,
0.3178

 67.9475, 0.2507,
0.3532


 88.2225, 0.3160,
0.3145

 66.5524, 0.2445,
0.3583

 88.4391, 0.3139,
0.3113

 65.5222, 0.2403,
0.3634

 88.4773, 0.3136,
0.3107

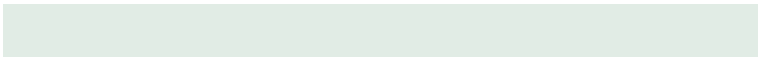
 64.8171, 0.2380,
0.3686

 64.3882, 0.2376,
0.3736

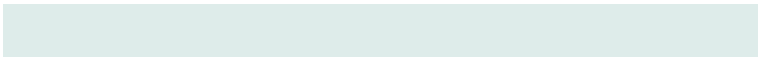
Harmonies

Analogous

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



81.4610, 0.3098, 0.3359



81.4610, 0.3047, 0.3311



81.4610, 0.3018, 0.3258

Triad

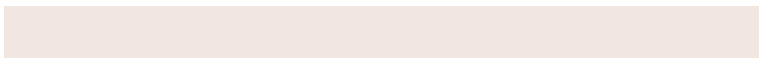
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4610, 0.3047, 0.3311



81.4610, 0.3097, 0.3195



81.4610, 0.3238, 0.3365

Complementary

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



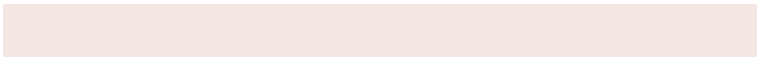
81.4610, 0.3047, 0.3311



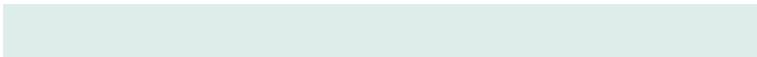
75.4519, 0.3214, 0.3269

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.



81.4610, 0.3238, 0.3321



81.4610, 0.3047, 0.3311



81.4610, 0.3156, 0.3223

Square

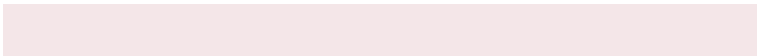
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



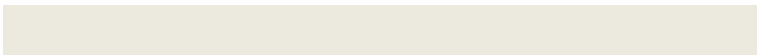
81.4610, 0.3047, 0.3311



81.4610, 0.3046, 0.3192



81.4610, 0.3208, 0.3269



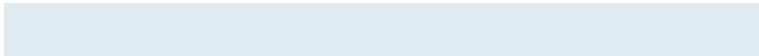
81.4610, 0.3208, 0.3389

Rectangle

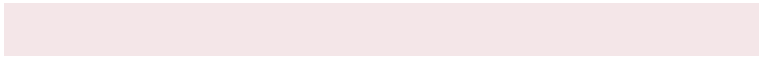
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



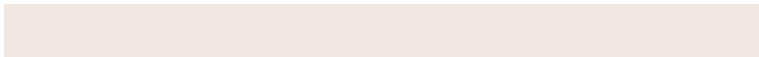
81.4610, 0.3047, 0.3311



81.4610, 0.3014, 0.3227



81.4610, 0.3208, 0.3269



81.4610, 0.3242, 0.3352

Sweetspot

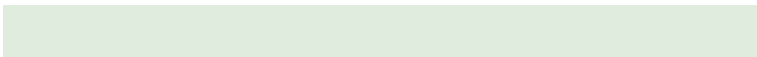
The Sweet Spot groups the original color and five complimentary colors.



81.4645, 0.3047, 0.3311



98.9983, 0.3100, 0.3297



81.1320, 0.3134, 0.3439



21.2002, 0.3101, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

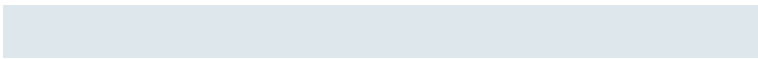
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4645, 0.3047, 0.3311



96.6057, 0.3033, 0.3315



78.7931, 0.3036, 0.3238



17.2352, 0.3025, 0.3317



35.4328, 0.2375, 0.3749



2.7925, 0.2355, 0.3678

Inverse Universe

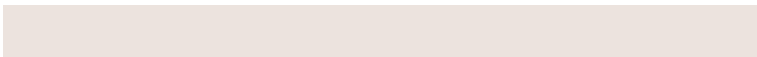
The Inverse Universe completely reimagines the original color for something new.



75.4519, 0.3214, 0.3269



88.1901, 0.3231, 0.3265



77.9884, 0.3223, 0.3342



15.6201, 0.3239, 0.3263



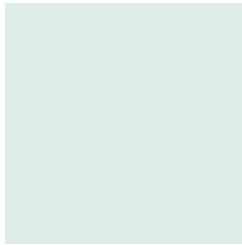
9.9049, 0.6203, 0.3191



0.7888, 0.5874, 0.3009

Previews

White Background



This preview shows how the Yxy color 81.4610, 0.3047, 0.3311 looks on a white background.

Color Contrast Check

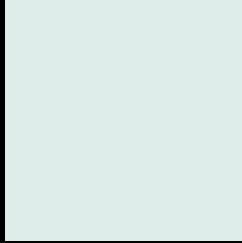
Large Text (above 18pt) WCAG AA × Fail

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 81.4610, 0.3047, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

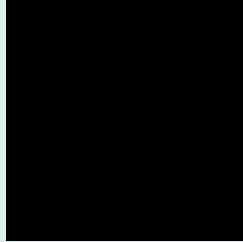
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

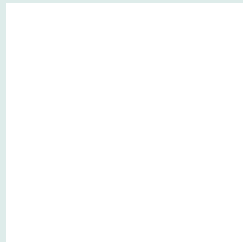
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4610, 0.3047, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 81.4610, 0.3047, 0.3311.

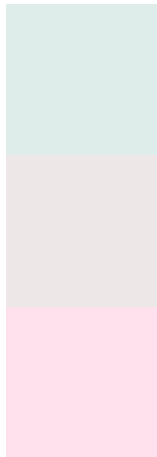


This preview shows how white text looks on a background with the Yxy color 81.4610, 0.3047, 0.3311.

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

81.4610, 0.3047, 0.3311

Protanopia

81.4873, 0.3167, 0.3300

Deuteranopia

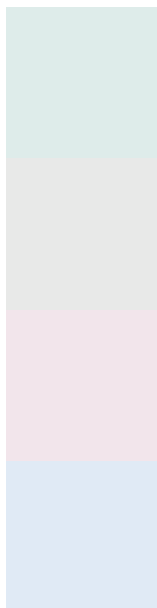
80.9774, 0.3258, 0.3181



Tritanopia

81.3137, 0.2959, 0.3095

Trichromacy



Original Color

81.4610, 0.3047, 0.3311

Protanomaly

81.2598, 0.3127, 0.3300

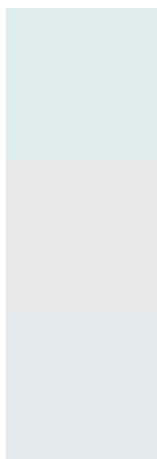
Deuteranomaly

80.9140, 0.3178, 0.3229

Tritanomaly

81.2855, 0.2994, 0.3176

Monochromacy



Original Color

81.4610, 0.3047, 0.3311

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6550, 0.3094, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4610, 0.3047, 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(222, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 234)  
}
```

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(222, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 234) }
```

Border

The CSS property to change the border of an element to Yxy 81.4610, 0.3047, 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(222, 236, 234) }
```

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

```
.border{ border-color:rgb(222, 236, 234) }
```

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

Here you see how a box with a 4 pixel rgb(222, 236, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4610, 0.3047, 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(222, 236, 234) }
```

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

```
.background{ background-color: rgb(222,  
236, 234) }
```

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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