

Converting Colors

$Yxy(80.5895, 0.3048, 0.3434)$

Have a look what the booklet for
Yxy(80.5895, 0.3048, 0.3434)
contains.

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Color

Yxy(80.6770, 0.3048, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	D5EEE0
RGB	213, 238, 224
RGB Percent	84%, 93%, 88%
CMY	0.1648, 0.0666, 0.1216
CMYK	0.11, 0.00, 0.06, 0.07
HSL	146°, 42%, 88%
HSV	146°, 11%, 93%
XYZ	71.4628, 80.6770, 82.3182
YIQ	228.9290, -10.4060, -9.6540

Conversions

Conversions Part 2

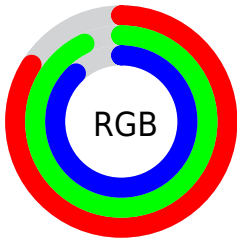
Format	Color
R _Y B	213, 230, 238
Decimal	14020320
CIE Lab	91.99, -10.81, 3.99
CIE LCh	92, 11.520, 159.743
Yxy	80.6770, 0.3048, 0.3441
Android (android.graphics.Color)	4292210400 (0xFFD5EEE0)
YUV	228.9290, -2.4300, -13.9697
Hunter-Lab	89.8204, -15.1677, 8.5364

Details

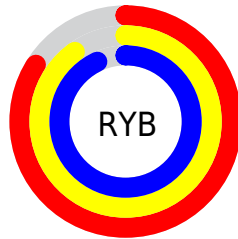
The Yxy color **80.6770, 0.3048, 0.3441** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3018, 0.3215, 0.3144**, and the grayscale version is **78.3223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5896, 0.3026, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **76.6838, 0.2975, 0.3602**, and if you desaturate by 10%, it is **85.2560, 0.3123, 0.3297**.

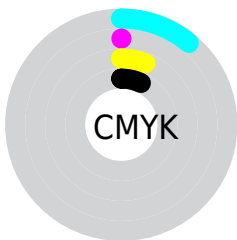
Distribution



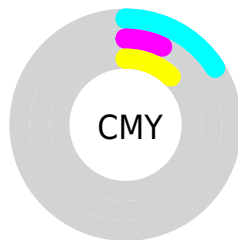
- Red (84%)
- Green (93%)
- Blue (88%)



- Red (84%)
- Yellow (90%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)




- Cyan (16%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6770, 0.3048, 0.3441 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 80.6770, 0.3048, 0.3441 by changing the saturation by 10% instead.


 80.6770, 0.3048,
0.3441

 80.6770, 0.3048,
0.3441

497.2114, 0.3084,
0.3372

 60.2756, 0.3040,
0.3457


134.3171, 0.3061,
0.3417

 43.6408, 0.3030,
0.3476


168.3247, 0.3065,
0.3408

 30.3882, 0.3017,
0.3501


207.6364, 0.3070,
0.3400

 20.1335, 0.3000,
0.3533

252.6367, 0.3073,
0.3393

 12.4921, 0.2977,
0.3576

303.7100, 0.3077,
0.3386

 7.0797, 0.2944,
0.3639

361.2406, 0.3080,

 3.5120, 0.2894,

0.3381

0.3737

425.6129, 0.3082,
0.3376

■ 1.4045, 0.2804,
0.3910

■ 0.2201, 0.0000,
1.0000

■ 80.6770, 0.3048,
0.3441

■ 80.6770, 0.3048,
0.3441

■ 76.6838, 0.2975,
0.3602

■ 85.2560, 0.3123,
0.3297

■ 73.2423, 0.2906,
0.3781

■ 89.3597, 0.3162,
0.3168

■ 70.3302, 0.2844,
0.3975

■ 89.6366, 0.3135,
0.3127

■ 67.9197, 0.2793,
0.4184

■ 65.9804, 0.2756,
0.4402

■ 64.4787, 0.2736,
0.4624

■ 63.3758, 0.2735,
0.4842

■ 62.6261, 0.2754,
0.5050

■ 62.1704, 0.2787,
0.5232

Harmonies

Analogous

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



80.6770, 0.3183, 0.3513



80.6770, 0.3048, 0.3441



80.6770, 0.2936, 0.3327

Triad

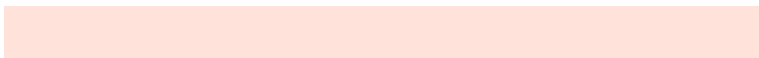
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6770, 0.3048, 0.3441



80.6770, 0.2950, 0.3065



80.6770, 0.3386, 0.3367

Complementary

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



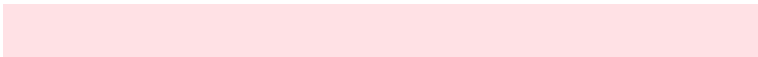
80.6770, 0.3048, 0.3441



71.3018, 0.3215, 0.3144

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.



80.6770, 0.3321, 0.3250



80.6770, 0.3048, 0.3441



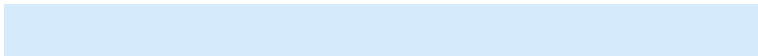
80.6770, 0.3067, 0.3079

Square

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



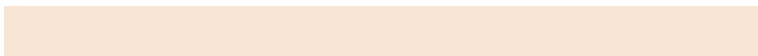
80.6770, 0.3048, 0.3441



80.6770, 0.2880, 0.3110



80.6770, 0.3203, 0.3146



80.6770, 0.3380, 0.3466

Rectangle

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



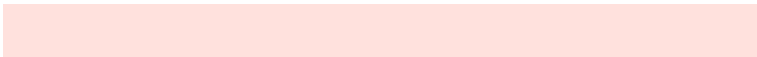
80.6770, 0.3048, 0.3441



80.6770, 0.2889, 0.3244



80.6770, 0.3203, 0.3146



80.6770, 0.3372, 0.3328

Sweetspot

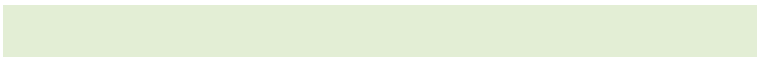
The Sweet Spot groups the original color and five complimentary colors.



80.6804, 0.3048, 0.3441



98.3049, 0.3104, 0.3331



82.3170, 0.3210, 0.3555



20.9466, 0.3098, 0.3343



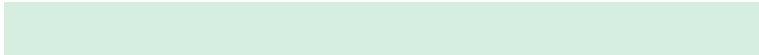
0.0000, 0.0000, 0.0000



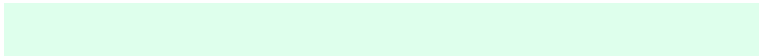
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6804, 0.3048, 0.3441



93.1072, 0.3029, 0.3480



81.3753, 0.2975, 0.3307



17.7719, 0.3056, 0.3425



34.7056, 0.2779, 0.5203



2.9069, 0.2707, 0.4946

Inverse Universe

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



71.3018, 0.3215, 0.3144



79.7390, 0.3239, 0.3107



70.6439, 0.3302, 0.3273



15.9071, 0.3205, 0.3159



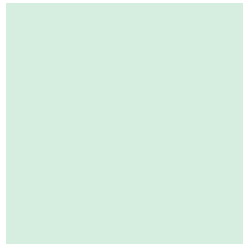
11.1170, 0.4705, 0.2365



0.9448, 0.4453, 0.2227

Previews

White Background



This preview shows how the Yxy color 80.6770, 0.3048, 0.3441 looks on a white background.

Color Contrast Check

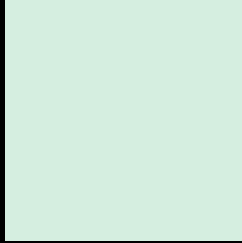
Large Text (above 18pt) WCAG AA × Fail

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 80.6770, 0.3048, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

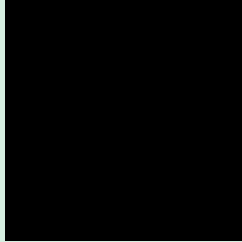
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

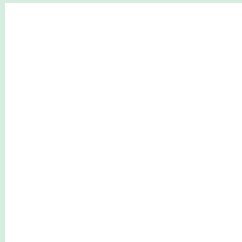
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6770, 0.3048, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 80.6770, 0.3048, 0.3441.

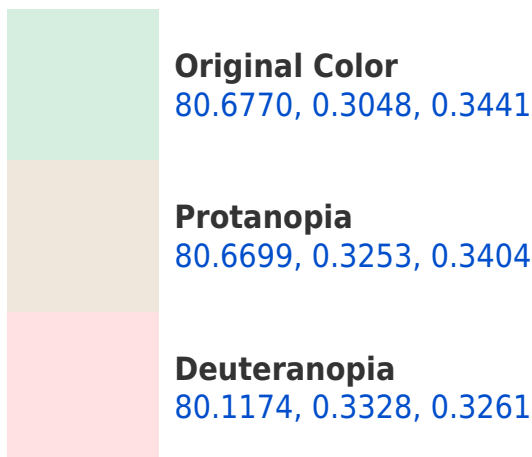


This preview shows how white text looks on a background with the Yxy color 80.6770, 0.3048, 0.3441.

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

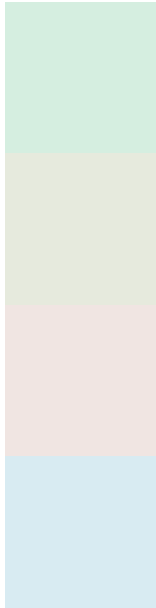




Tritanopia

80.7793, 0.2915, 0.3102

Trichromacy



Original Color

80.6770, 0.3048, 0.3441

Protanomaly

80.8891, 0.3182, 0.3427

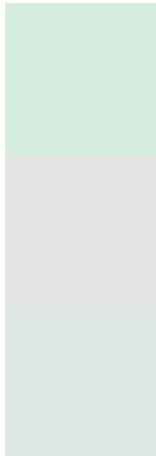
Deuteranomaly

80.0549, 0.3223, 0.3321

Tritanomaly

80.4264, 0.2961, 0.3216

Monochromacy



Original Color

80.6770, 0.3048, 0.3441

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9473, 0.3098, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6770, 0.3048, 0.3441 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, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(213, 238, 224)  
}
```

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, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 238, 224) }
```

Border

The CSS property to change the border of an element to Yxy 80.6770, 0.3048, 0.3441 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, 238, 224) }
```

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

```
.border{ border-color:rgb(213, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(213, 238,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6770, 0.3048, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 238, 224) }
```

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

```
.background{ background-color: rgb(213,  
238, 224) }
```

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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