

Converting Colors

$Yxy(80.9406, 0.3029, 0.3601)$

Have a look what the booklet for
Yxy(80.9406, 0.3029, 0.3601)
contains.

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Color

Yxy(80.7768, 0.3030, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	C9F2D6
RGB	201, 242, 214
RGB Percent	79%, 95%, 84%
CMY	0.2115, 0.0510, 0.1608
CMYK	0.17, 0.00, 0.12, 0.05
HSL	139°, 61%, 87%
HSV	139°, 17%, 95%
XYZ	67.9871, 80.7768, 75.6161
YIQ	226.5490, -15.4480, -17.4000

Conversions

Conversions Part 2

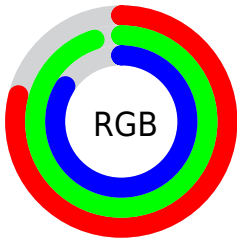
Format	Color
R_{YB}	201, 232, 242
Decimal	13234902
CIE Lab	92.03, -18.49, 9.15
CIE LCh	92, 20.633, 153.673
Yxy	80.7768, 0.3030, 0.3600
Android (android.graphics.Color)	4291424982 (0xFFC9F2D6)
YUV	226.5490, -6.1867, -22.4065
Hunter-Lab	89.8759, -22.2555, 13.0302

Details

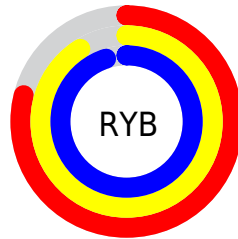
The Yxy color **80.7768, 0.3030, 0.3600** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3381, 0.3240, 0.2999**, and the grayscale version is **76.5342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8241, 0.3011, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **76.8817, 0.2975, 0.3813**, and if you desaturate by 10%, it is **85.2931, 0.3087, 0.3409**.

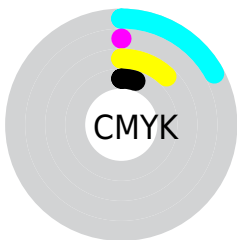
Distribution



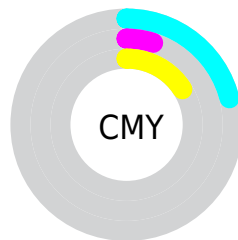
- Red (79%)
- Green (95%)
- Blue (84%)



- Red (79%)
- Yellow (91%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (21%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7768, 0.3030, 0.3600 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 80.7768, 0.3030, 0.3600 by changing the saturation by 10% instead.

80.7768, 0.3030,
0.3600

80.7768, 0.3030,
0.3600

497.5469, 0.3076,
0.3456

60.3578, 0.3019,
0.3633

134.4573, 0.3046,
0.3550

43.7071, 0.3006,
0.3674

168.4876, 0.3052,
0.3530

30.4403, 0.2989,
0.3726

207.8238, 0.3058,
0.3514

20.1730, 0.2967,
0.3795

252.8503, 0.3062,
0.3499

12.5209, 0.2936,
0.3889

303.9514, 0.3066,
0.3486

7.0995, 0.2890,
0.4026

361.5116, 0.3070,

3.5244, 0.2816,

0.3475

0.4242

425.9153, 0.3073,
0.3465

1.4112, 0.2683,
0.4648

0.2250, 0.0000,
1.0000

80.7768, 0.3030,
0.3600

80.7768, 0.3030,
0.3600

76.8817, 0.2975,
0.3813

85.2931, 0.3087,
0.3409

73.5704, 0.2924,
0.4048

90.4458, 0.3145,
0.3240

70.8169, 0.2881,
0.4300

91.9801, 0.3133,
0.3165

68.5893, 0.2849,
0.4563

■ 66.8524, 0.2830,
0.4830

■ 65.5665, 0.2828,
0.5088

■ 64.6853, 0.2844,
0.5325

■ 64.1503, 0.2875,
0.5530

■ 64.0277, 0.2885,
0.5586

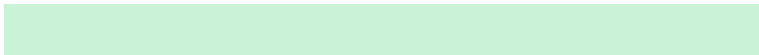
Harmonies

Analogous

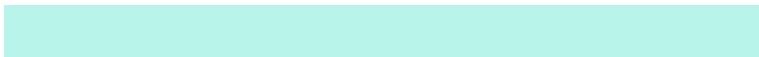
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7768, 0.3271, 0.3708



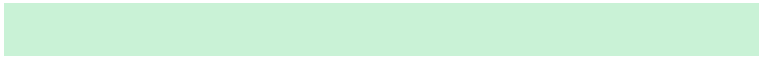
80.7768, 0.3030, 0.3600



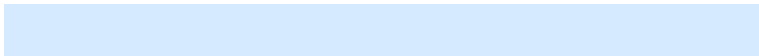
80.7768, 0.2821, 0.3399

Triad

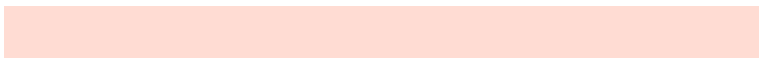
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7768, 0.3030, 0.3600



80.7768, 0.2779, 0.2899



80.7768, 0.3580, 0.3379

Complementary

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



80.7768, 0.3030, 0.3600



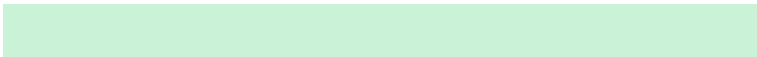
66.3381, 0.3240, 0.2999

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.



80.7768, 0.3438, 0.3177



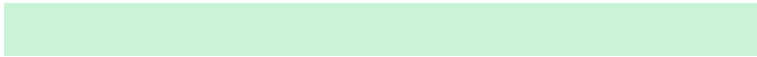
80.7768, 0.3030, 0.3600



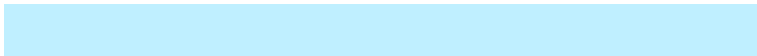
80.7768, 0.2971, 0.2906

Square

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



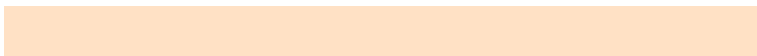
80.7768, 0.3030, 0.3600



80.7768, 0.2680, 0.2992



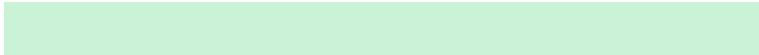
80.7768, 0.3212, 0.3007



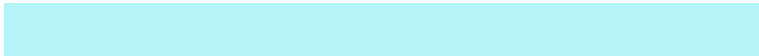
80.7768, 0.3594, 0.3567

Rectangle

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



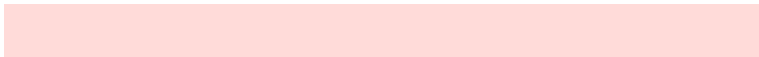
80.7768, 0.3030, 0.3600



80.7768, 0.2725, 0.3247



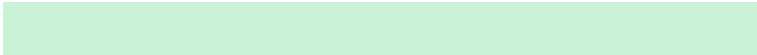
80.7768, 0.3212, 0.3007



80.7768, 0.3545, 0.3310

Sweetspot

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



80.7802, 0.3030, 0.3600



97.1123, 0.3098, 0.3375



84.4955, 0.3297, 0.3722



20.7023, 0.3094, 0.3388



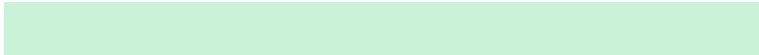
0.0000, 0.0000, 0.0000



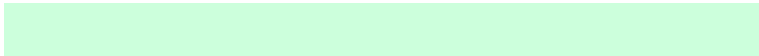
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7802, 0.3030, 0.3600



89.5303, 0.3012, 0.3665



81.8553, 0.2917, 0.3378



17.7386, 0.3073, 0.3456



34.4203, 0.2877, 0.5557



2.8808, 0.2804, 0.5293

Inverse Universe

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



66.3381, 0.3240, 0.2999



70.6715, 0.3264, 0.2943



65.2929, 0.3389, 0.3204



15.9415, 0.3186, 0.3130



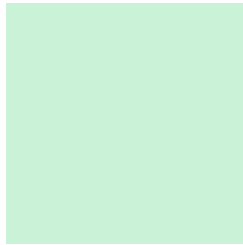
11.6376, 0.4205, 0.2090



0.9861, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 80.7768, 0.3030, 0.3600 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 80.7768, 0.3030, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

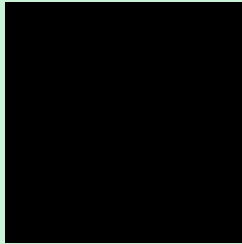
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

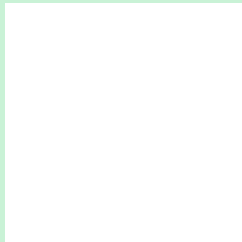
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7768, 0.3030, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 80.7768, 0.3030, 0.3600.

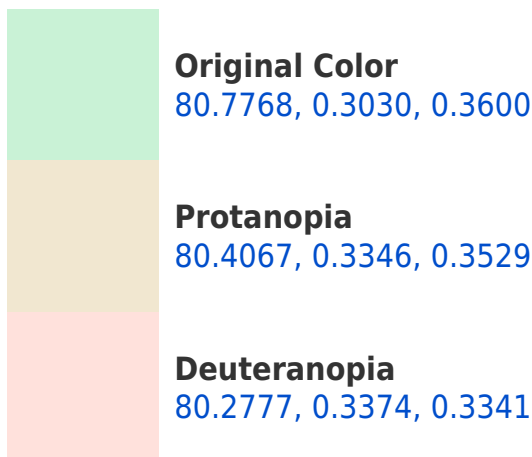


This preview shows how white text looks on a background with the Yxy color 80.7768, 0.3030, 0.3600.

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

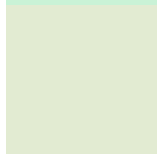
80.6208, 0.2838, 0.3090

Trichromacy



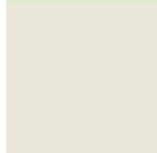
Original Color

80.7768, 0.3030, 0.3600



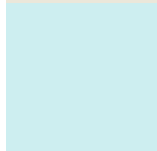
Protanomaly

80.2386, 0.3223, 0.3557



Deuteranomaly

79.8760, 0.3238, 0.3426



Tritanomaly

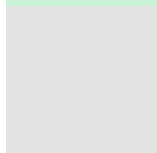
80.4195, 0.2905, 0.3268

Monochromacy



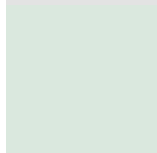
Original Color

80.7768, 0.3030, 0.3600



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

77.8926, 0.3095, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7768, 0.3030, 0.3600 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(201, 242, 214)` looks like.

```
.text, #text, p{  
    color:rgb(201, 242, 214)  
}
```

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(201, 242, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 242, 214) }
```

Border

The CSS property to change the border of an element to Yxy 80.7768, 0.3030, 0.3600 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(201, 242, 214) }
```

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

```
.border{ border-color:rgb(201, 242, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 242, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 242, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 242, 214);  
box-shadow:4px 4px 4px 4px rgb(201, 242,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7768, 0.3030, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 242, 214) }
```

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

```
.background{ background-color: rgb(201,  
242, 214) }
```

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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