

Converting Colors

$Yxy(80.2861, 0.3160, 0.3709)$

Have a look what the booklet for
Yxy(80.2861, 0.3160, 0.3709)
contains.

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Color

Yxy(80.2861, 0.3160, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	D2F0CA
RGB	210, 240, 202
RGB Percent	82%, 94%, 79%
CMY	0.1764, 0.0588, 0.2078
CMYK	0.12, 0.00, 0.16, 0.06
HSL	107°, 56%, 87%
HSV	107°, 16%, 94%
XYZ	68.4023, 80.2861, 67.7745
YIQ	226.6980, -5.6820, -18.1780

Conversions

Conversions Part 2

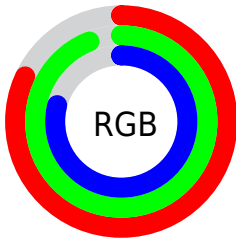
Format	Color
R_{YB}	202, 240, 232
Decimal	13824202
CIE _{Lab}	91.81, -16.64, 15.12
CIE _{LCh}	92, 22.483, 137.741
Yxy	80.2861, 0.3160, 0.3709
Android (android.graphics.Color)	4292014282 (0xFFD2F0CA)
YUV	226.6980, -12.1761, -14.6441
Hunter-Lab	89.6025, -20.5380, 17.8753

Details

The Yxy color **80.2861, 0.3160, 0.3709** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.6938, 0.3086, 0.2891**, and the grayscale version is **76.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3877, 0.3161, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **76.6211, 0.3177, 0.4011**, and if you desaturate by 10%, it is **84.4640, 0.3140, 0.3436**.

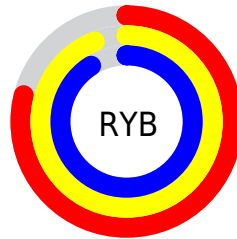
Distribution



Red (82%)

Green (94%)

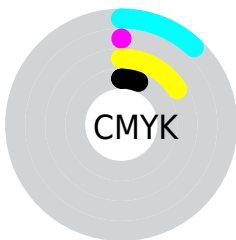
Blue (79%)



Red (79%)

Yellow (94%)

Blue (91%)

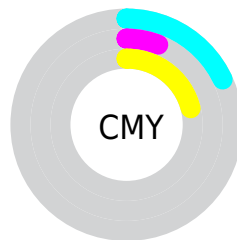


Cyan (12%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (18%)

Magenta (6%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2861, 0.3160, 0.3709 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 80.2861, 0.3160, 0.3709 by changing the saturation by 10% instead.

80.2861, 0.3160,
0.3709

80.2861, 0.3160,
0.3709

495.8965, 0.3148,
0.3513

59.9538, 0.3162,
0.3754

133.7679, 0.3156,
0.3641

43.3814, 0.3164,
0.3810

167.6862, 0.3155,
0.3614

30.1845, 0.3167,
0.3881

206.9020, 0.3153,
0.3592

19.9787, 0.3169,
0.3975

251.7996, 0.3152,
0.3572

12.3795, 0.3170,
0.4103

302.7634, 0.3151,
0.3555

7.0027, 0.3167,
0.4290

360.1780, 0.3150,

3.4638, 0.3154,

0.3539

0.4584

424.4275, 0.3149,
0.3526

1.3784, 0.3241,
0.5338

0.2007, 0.0000,
1.0000

80.2861, 0.3160,
0.3709

80.2861, 0.3160,
0.3709

76.6211, 0.3177,
0.4011

84.4640, 0.3140,
0.3436

73.4391, 0.3190,
0.4336

89.1631, 0.3118,
0.3192

70.7226, 0.3196,
0.4674

90.8013, 0.3134,
0.3146

68.4493, 0.3193,
0.5010

■ 66.5947, 0.3180,
0.5322

■ 65.1320, 0.3156,
0.5588

■ 64.0310, 0.3122,
0.5788

■ 63.2562, 0.3083,
0.5912

■ 63.0133, 0.3067,
0.5947

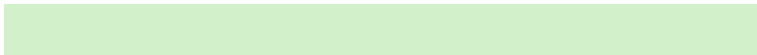
Harmonies

Analogous

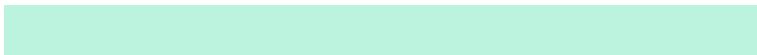
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2861, 0.3413, 0.3755



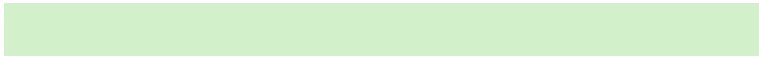
80.2861, 0.3160, 0.3709



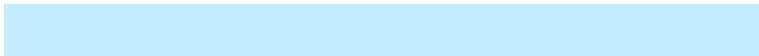
80.2861, 0.2905, 0.3535

Triad

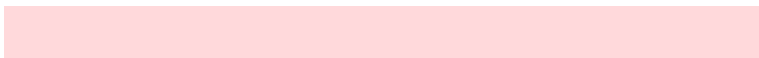
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2861, 0.3160, 0.3709



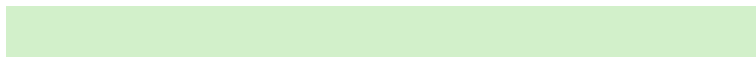
80.2861, 0.2676, 0.2904



80.2861, 0.3555, 0.3267

Complementary

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



80.2861, 0.3160, 0.3709



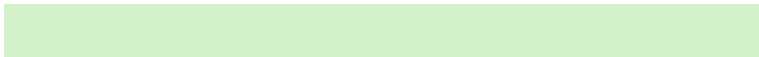
65.6938, 0.3086, 0.2891

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.



80.2861, 0.3342, 0.3061



80.2861, 0.3160, 0.3709



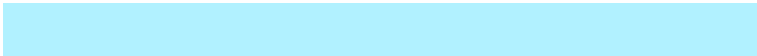
80.2861, 0.2835, 0.2854

Square

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



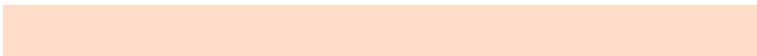
80.2861, 0.3160, 0.3709



80.2861, 0.2633, 0.3059



80.2861, 0.3077, 0.2913



80.2861, 0.3648, 0.3487

Rectangle

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



80.2861, 0.3160, 0.3709



80.2861, 0.2768, 0.3375



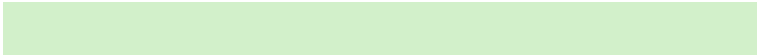
80.2861, 0.3077, 0.2913



80.2861, 0.3494, 0.3195

Sweetspot

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



80.2895, 0.3160, 0.3709



97.3466, 0.3138, 0.3415



80.3746, 0.3378, 0.3601



20.7590, 0.3139, 0.3433



0.0000, 0.0000, 0.0000



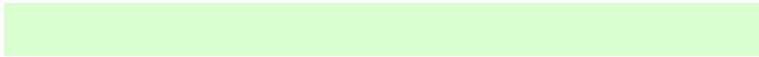
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2895, 0.3160, 0.3709



90.7170, 0.3166, 0.3804



79.6722, 0.3043, 0.3592



17.8167, 0.3147, 0.3532



34.5399, 0.3075, 0.5940



2.9149, 0.3160, 0.5873

Inverse Universe

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



65.6938, 0.3086, 0.2891



71.0038, 0.3076, 0.2806



66.4424, 0.3223, 0.3006



15.8536, 0.3104, 0.3055



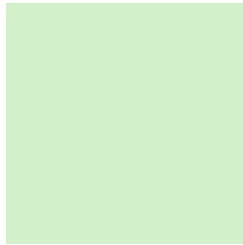
9.4577, 0.2681, 0.1251



0.8283, 0.2754, 0.1291

Previews

White Background



This preview shows how the Yxy color 80.2861, 0.3160, 0.3709 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 80.2861, 0.3160, 0.3709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

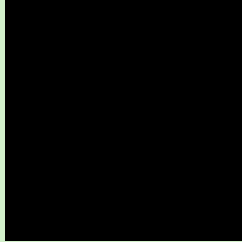
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

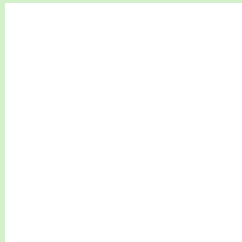
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2861, 0.3160, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 80.2861, 0.3160, 0.3709.

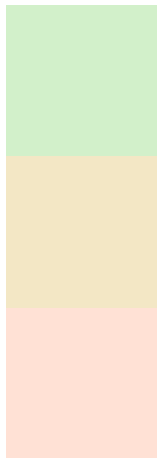


This preview shows how white text looks on a background with the Yxy color 80.2861, 0.3160, 0.3709.

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

80.2861, 0.3160, 0.3709

Protanopia

80.2377, 0.3434, 0.3644

Deuteranopia

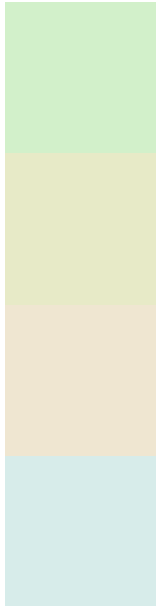
79.9145, 0.3423, 0.3412



Tritanopia

80.2115, 0.2915, 0.3092

Trichromacy



Original Color

80.2861, 0.3160, 0.3709

Protanomaly

79.9581, 0.3330, 0.3663

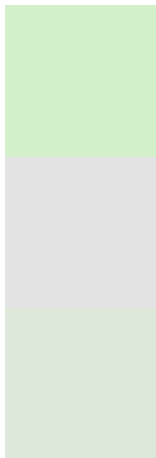
Deuteranomaly

79.5478, 0.3327, 0.3510

Tritanomaly

80.3785, 0.3002, 0.3311

Monochromacy



Original Color

80.2861, 0.3160, 0.3709

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.1473, 0.3140, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2861, 0.3160, 0.3709 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(210, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(210, 240, 202)  
}
```

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(210, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 240, 202) }
```

Border

The CSS property to change the border of an element to Yxy 80.2861, 0.3160, 0.3709 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(210, 240, 202) }
```

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

```
.border{ border-color:rgb(210, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(210, 240,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2861, 0.3160, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 240, 202) }
```

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

```
.background{ background-color: rgb(210,  
240, 202) }
```

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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