

Converting Colors

$Yxy(80.3901, 0.3204, 0.3711)$

Have a look what the booklet for
Yxy(80.3901, 0.3204, 0.3711)
contains.

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Color

Yxy(80.3971, 0.3200, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	D7EFC9
RGB	215, 239, 201
RGB Percent	84%, 94%, 79%
CMY	0.1571, 0.0627, 0.2117
CMYK	0.10, 0.00, 0.16, 0.06
HSL	98°, 54%, 86%
HSV	98°, 16%, 94%
XYZ	69.4201, 80.3971, 67.1205
YIQ	227.4920, -2.1060, -16.9060

Conversions

Conversions Part 2

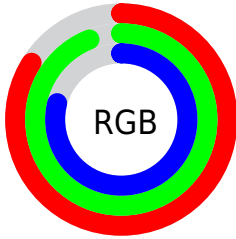
Format	Color
R_{YB}	201, 239, 225
Decimal	14151625
CIE _{Lab}	91.86, -14.64, 15.76
CIE _{LCh}	92, 21.510, 132.902
Y _{xy}	80.3971, 0.3200, 0.3706
Android (android.graphics.Color)	4292341705 (0xFFD7EFC9)
YUV	227.4920, -13.0606, -10.9555
Hunter-Lab	89.6644, -18.7144, 18.3821

Details

The Yxy color **80.3971, 0.3200, 0.3706** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.0316, 0.3042, 0.2884**, and the grayscale version is **77.2861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4471, 0.3213, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **77.1752, 0.3243, 0.3999**, and if you desaturate by 10%, it is **84.0131, 0.3155, 0.3437**.

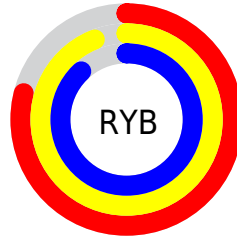
Distribution



Red (84%)

Green (94%)

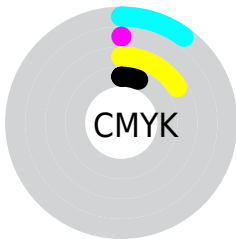
Blue (79%)



Red (79%)

Yellow (94%)

Blue (88%)

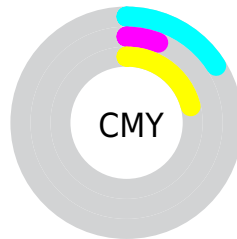


Cyan (10%)

Magenta (0%)

Yellow (16%)

Black (6%)



Cyan (16%)


Magenta (6%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3971, 0.3200, 0.3706 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 80.3971, 0.3200, 0.3706 by changing the saturation by 10% instead.


 80.3971, 0.3200,
0.3706

 80.3971, 0.3200,
0.3706

496.2701, 0.3169,
0.3512

 60.0452, 0.3206,
0.3751


133.9239, 0.3190,
0.3639

 43.4551, 0.3214,
0.3806


167.8676, 0.3186,
0.3612

 30.2423, 0.3222,
0.3876


207.1106, 0.3182,
0.3590

 20.0226, 0.3233,
0.3968

252.0374, 0.3179,
0.3570

 12.4115, 0.3245,
0.4094

303.0323, 0.3176,
0.3553

 7.0246, 0.3259,
0.4276

360.4798, 0.3174,

 3.4775, 0.3270,

0.3538

0.4561

424.7643, 0.3171,
0.3524

■ 1.3858, 0.3422,
0.5318

■ 0.2062, 0.0000,
1.0000

■ 80.3971, 0.3200,
0.3706

■ 80.3971, 0.3200,
0.3706

■ 77.1752, 0.3243,
0.3999

■ 84.0131, 0.3155,
0.3437

■ 74.3232, 0.3279,
0.4309

■ 88.0260, 0.3108,
0.3193

■ 71.8300, 0.3307,
0.4629

■ 90.2256, 0.3134,
0.3137

■ 69.6797, 0.3323,
0.4943

■ 67.8554, 0.3322,
0.5235

■ 66.3381, 0.3303,
0.5485

■ 65.1066, 0.3267,
0.5679

■ 64.1359, 0.3216,
0.5807

■ 63.8005, 0.3194,
0.5846

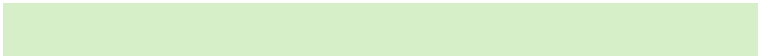
Harmonies

Analogous

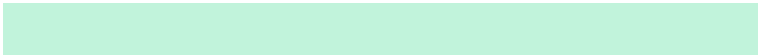
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3971, 0.3435, 0.3729



80.3971, 0.3200, 0.3706



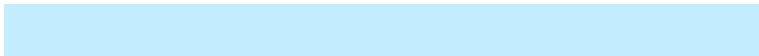
80.3971, 0.2952, 0.3557

Triad

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



80.3971, 0.3200, 0.3706



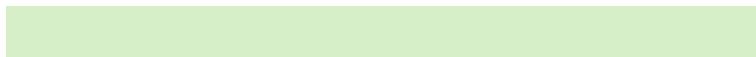
80.3971, 0.2680, 0.2938



80.3971, 0.3509, 0.3235

Complementary

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



80.3971, 0.3200, 0.3706



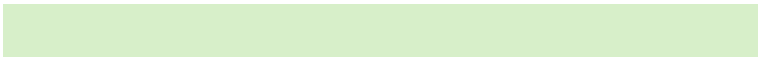
64.0316, 0.3042, 0.2884

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.



80.3971, 0.3293, 0.3043



80.3971, 0.3200, 0.3706



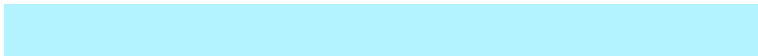
80.3971, 0.2816, 0.2873

Square

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



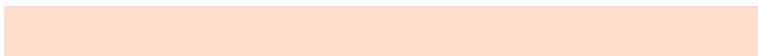
80.3971, 0.3200, 0.3706



80.3971, 0.2659, 0.3102



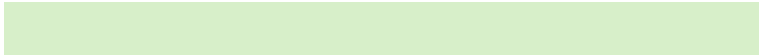
80.3971, 0.3039, 0.2913



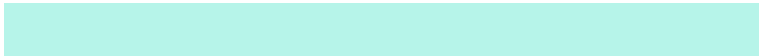
80.3971, 0.3620, 0.3446

Rectangle

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



80.3971, 0.3200, 0.3706



80.3971, 0.2812, 0.3410



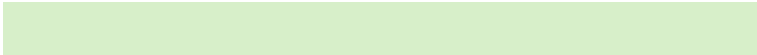
80.3971, 0.3039, 0.2913



80.3971, 0.3446, 0.3166

Sweetspot

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



80.4006, 0.3200, 0.3706



97.7059, 0.3150, 0.3414



76.4669, 0.3388, 0.3545



20.8461, 0.3154, 0.3432



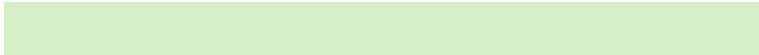
0.0000, 0.0000, 0.0000



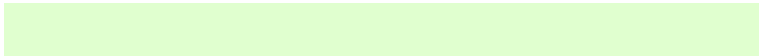
21.4041, 0.3127, 0.3290

Same Dimension

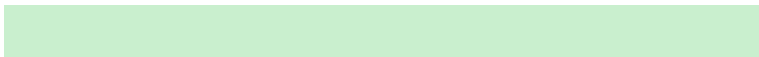
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4006, 0.3200, 0.3706



91.8991, 0.3214, 0.3796



78.6239, 0.3077, 0.3659



17.9384, 0.3171, 0.3530



35.3184, 0.3205, 0.5837



2.9927, 0.3307, 0.5757

Inverse Universe

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



64.0316, 0.3042, 0.2884



69.6746, 0.3022, 0.2798



66.0686, 0.3182, 0.2947



15.7251, 0.3079, 0.3053



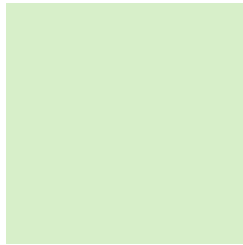
7.1787, 0.2307, 0.1045



0.6534, 0.2426, 0.1110

Previews

White Background



This preview shows how the Yxy color 80.3971, 0.3200, 0.3706 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 80.3971, 0.3200, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

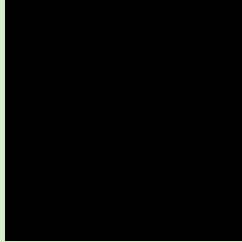
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

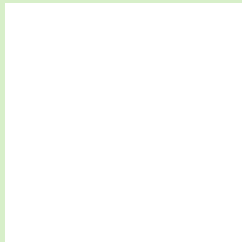
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3971, 0.3200, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 80.3971, 0.3200, 0.3706.

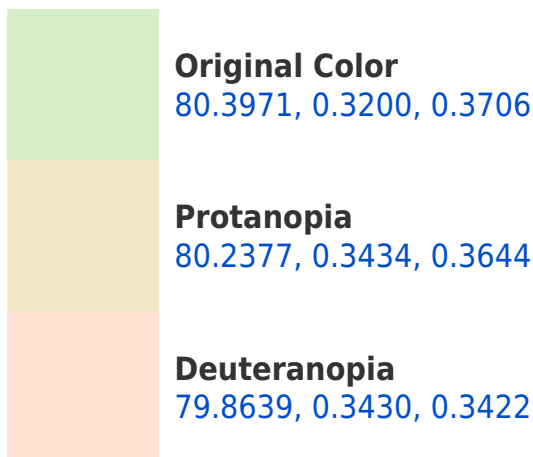


This preview shows how white text looks on a background with the Yxy color 80.3971, 0.3200, 0.3706.

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

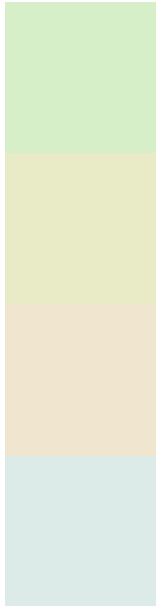




Tritanopia

80.3033, 0.2958, 0.3103

Trichromacy



Original Color

80.3971, 0.3200, 0.3706

Protanomaly

80.2465, 0.3351, 0.3672

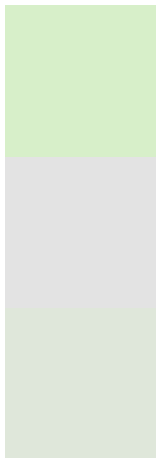
Deuteranomaly

79.6730, 0.3341, 0.3520

Tritanomaly

80.4585, 0.3046, 0.3322

Monochromacy



Original Color

80.3971, 0.3200, 0.3706

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.9018, 0.3155, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3971, 0.3200, 0.3706 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(215, 239, 201)` looks like.

```
.text, #text, p{  
    color:rgb(215, 239, 201)  
}
```

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(215, 239, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 239, 201) }
```

Border

The CSS property to change the border of an element to Yxy 80.3971, 0.3200, 0.3706 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(215, 239, 201) }
```

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

```
.border{ border-color:rgb(215, 239, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 239, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 239, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 239, 201);  
box-shadow:4px 4px 4px 4px rgb(215, 239,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3971, 0.3200, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 239, 201) }
```

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

```
.background{ background-color: rgb(215,  
239, 201) }
```

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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