

Converting Colors

$Yxy(80.0626, 0.3015, 0.3712)$

Have a look what the booklet for
Yxy(80.0626, 0.3015, 0.3712)
contains.

Yxy(80.3641, 0.3019, 0.3720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.3641, 0.3019, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	C0F4CE
RGB	192, 244, 206
RGB Percent	75%, 96%, 81%
CMY	0.2472, 0.0431, 0.1923
CMYK	0.21, 0.00, 0.16, 0.04
HSL	136°, 70%, 85%
HSV	136°, 21%, 96%
XYZ	65.2202, 80.3641, 70.4482
YIQ	224.1200, -18.7940, -22.8420

Conversions

Conversions Part 2

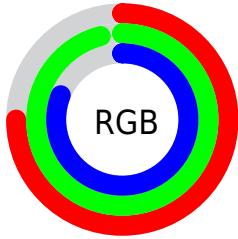
Format	Color
R _Y B	192, 233, 244
Decimal	12645582
CIE Lab	91.85, -23.85, 12.96
CIE LCh	92, 27.144, 151.474
Yxy	80.3641, 0.3019, 0.3720
Android (android.graphics.Color)	4290835662 (0xFFC0F4CE)
YUV	224.1200, -8.9332, -28.1692
Hunter-Lab	89.6460, -27.0163, 16.1593

Details

The Yxy color **80.3641, 0.3019, 0.3720** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6344, 0.3256, 0.2895**, and the grayscale version is **74.7029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **43.6367, 0.2991, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **76.6244, 0.2971, 0.3959**, and if you desaturate by 10%, it is **84.7370, 0.3069, 0.3505**.

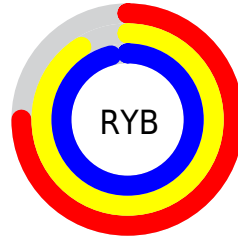
Distribution



Red (75%)

Green (96%)

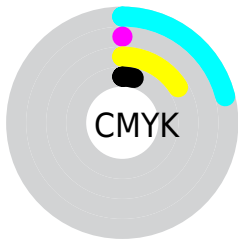
Blue (81%)



Red (75%)

Yellow (91%)

Blue (96%)

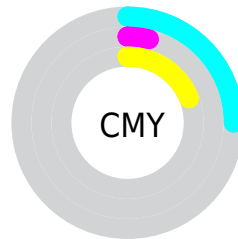


Cyan (21%)

Magenta (0%)

Yellow (16%)

Black (4%)



Cyan (25%)


Magenta (4%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3641, 0.3019, 0.3720 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 80.3641, 0.3019, 0.3720 by changing the saturation by 10% instead.


 80.3641, 0.3019,
0.3720

 80.3641, 0.3019,
0.3720


496.1590, 0.3071,
0.3518

 60.0180, 0.3007,
0.3767


 133.8775, 0.3038,
0.3649

 43.4332, 0.2991,
0.3825


167.8136, 0.3045,
0.3622

 30.2251, 0.2971,
0.3899


207.0486, 0.3051,
0.3599

 20.0095, 0.2943,
0.3997

251.9667, 0.3056,
0.3578

 12.4020, 0.2905,
0.4132

302.9524, 0.3060,
0.3561

 7.0181, 0.2847,
0.4330

360.3901, 0.3065,

 3.4734, 0.2749,

0.3545

0.4647

424.6642, 0.3068,
0.3531

■ 1.3836, 0.2586,
0.5384

■ 0.2046, 0.0000,
1.0000

■ 80.3641, 0.3019,
0.3720

■ 80.3641, 0.3019,
0.3720

■ 76.6244, 0.2971,
0.3959

■ 84.7370, 0.3069,
0.3505

■ 73.4784, 0.2928,
0.4219

■ 89.7602, 0.3120,
0.3314

■ 70.8979, 0.2893,
0.4495

■ 93.1904, 0.3132,
0.3185

■ 68.8481, 0.2870,
0.4778

■ 67.2905, 0.2860,
0.5055

■ 66.1811, 0.2867,
0.5312

■ 65.4675, 0.2888,
0.5535

■ 65.0997, 0.2915,
0.5694

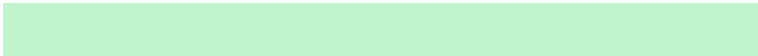
Harmonies

Analogous

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



80.3641, 0.3335, 0.3851



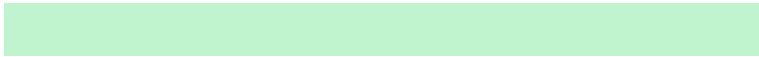
80.3641, 0.3019, 0.3720



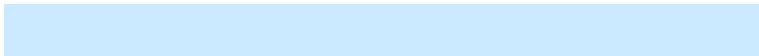
80.3641, 0.2741, 0.3455

Triad

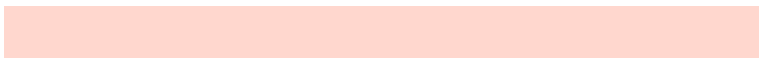
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3641, 0.3019, 0.3720



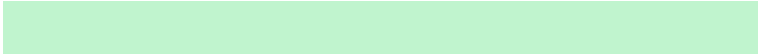
80.3641, 0.2657, 0.2783



80.3641, 0.3718, 0.3381

Complementary

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



80.3641, 0.3019, 0.3720



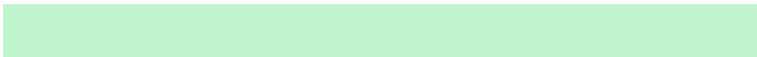
62.6344, 0.3256, 0.2895

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.



80.3641, 0.3518, 0.3122



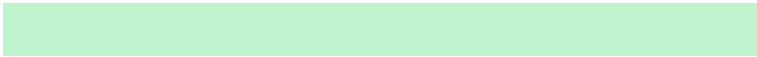
80.3641, 0.3019, 0.3720



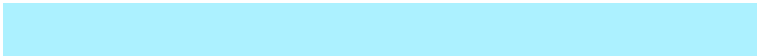
80.3641, 0.2898, 0.2787

Square

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



80.3641, 0.3019, 0.3720



80.3641, 0.2540, 0.2910



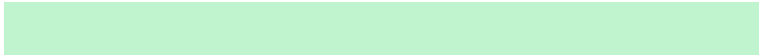
80.3641, 0.3213, 0.2909



80.3641, 0.3749, 0.3632

Rectangle

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



80.3641, 0.3019, 0.3720



80.3641, 0.2613, 0.3250



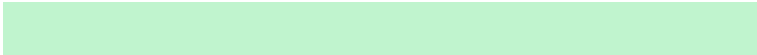
80.3641, 0.3213, 0.2909



80.3641, 0.3668, 0.3292

Sweetspot

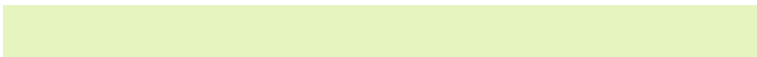
The Sweet Spot groups the original color and five complimentary colors.



80.3675, 0.3019, 0.3720



96.5133, 0.3097, 0.3400



85.3601, 0.3353, 0.3840



20.5801, 0.3093, 0.3413



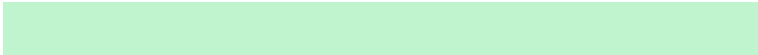
0.0000, 0.0000, 0.0000



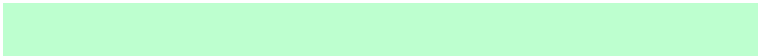
21.4041, 0.3127, 0.3290

Same Dimension

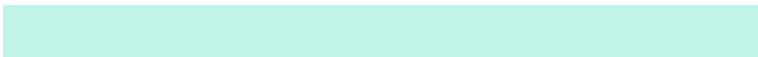
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3675, 0.3019, 0.3720



86.7830, 0.2996, 0.3830



81.7314, 0.2874, 0.3423



18.5453, 0.3079, 0.3468



35.4121, 0.2908, 0.5667



3.1288, 0.2841, 0.5426

Inverse Universe

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



62.6344, 0.3256, 0.2895



63.6500, 0.3291, 0.2805



61.2857, 0.3460, 0.3162



16.6877, 0.3179, 0.3119



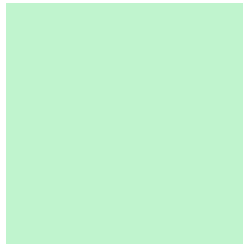
12.2372, 0.4032, 0.1995



1.0926, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 80.3641, 0.3019, 0.3720 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 80.3641, 0.3019, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

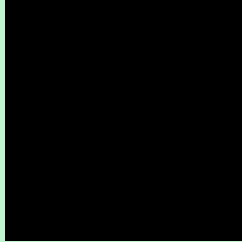
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

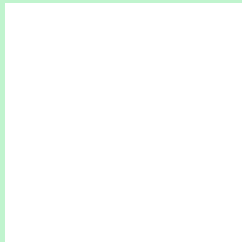
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3641, 0.3019, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 80.3641, 0.3019, 0.3720.

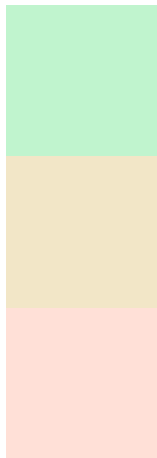


This preview shows how white text looks on a background with the Yxy color 80.3641, 0.3019, 0.3720.

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

80.3641, 0.3019, 0.3720

Protanopia

79.5944, 0.3415, 0.3614

Deuteranopia

79.4776, 0.3410, 0.3381



Tritanopia

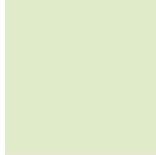
80.3449, 0.2803, 0.3098

Trichromacy



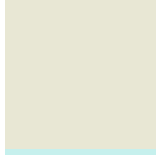
Original Color

80.3641, 0.3019, 0.3720



Protanomaly

79.5282, 0.3260, 0.3646



Deuteranomaly

79.0611, 0.3256, 0.3491



Tritanomaly

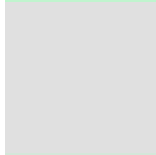
80.4404, 0.2880, 0.3322

Monochromacy



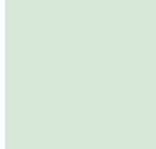
Original Color

80.3641, 0.3019, 0.3720



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.1586, 0.3086, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3641, 0.3019, 0.3720 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(192, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(192, 244, 206)  
}
```

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(192, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 244, 206) }
```

Border

The CSS property to change the border of an element to Yxy 80.3641, 0.3019, 0.3720 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(192, 244, 206) }
```

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

```
.border{ border-color:rgb(192, 244, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 244, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 244, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 244, 206); box-shadow:4px 4px 4px 4px rgb(192, 244, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3641, 0.3019, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 244, 206) }
```

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

```
.background{ background-color: rgb(192,  
244, 206) }
```

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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