

Converting Colors

$Yxy(80.0026, 0.3114, 0.3645)$

Have a look what the booklet for
Yxy(80.0026, 0.3114, 0.3645)
contains.

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Color

Yxy(80.2351, 0.3117, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	D0F0CF
RGB	208, 240, 207
RGB Percent	82%, 94%, 81%
CMY	0.1841, 0.0588, 0.1883
CMYK	0.13, 0.00, 0.14, 0.06
HSL	118°, 52%, 88%
HSV	118°, 14%, 94%
XYZ	68.4436, 80.2351, 70.9029
YIQ	226.6700, -8.4790, -17.0470

Conversions

Conversions Part 2

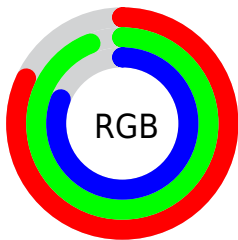
Format	Color
RYP	207, 240, 239
Decimal	13693135
CIELab	91.79, -16.45, 12.49
CIElCh	92, 20.657, 142.789
Yxy	80.2351, 0.3117, 0.3654
Android (android.graphics.Color)	4291883215 (0xFFD0F0CF)
YUV	226.6700, -9.6973, -16.3736
Hunter-Lab	89.5740, -20.3627, 15.7705

Details

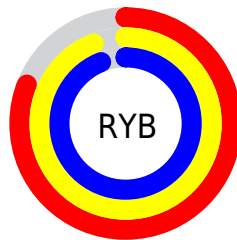
The Yxy color **80.2351, 0.3117, 0.3654** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2509, 0.3135, 0.2950**, and the grayscale version is **76.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3532, 0.3106, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **76.0274, 0.3107, 0.3959**, and if you desaturate by 10%, it is **85.1212, 0.3125, 0.3383**.

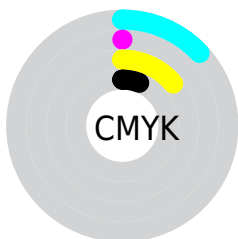
Distribution



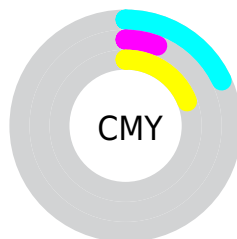
- Red (82%)
- Green (94%)
- Blue (81%)



- Red (81%)
- Yellow (94%)
- Blue (94%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (18%)
- Magenta (6%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2351, 0.3117, 0.3654 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 80.2351, 0.3117, 0.3654 by changing the saturation by 10% instead.

 80.2351, 0.3117,
0.3654

 80.2351, 0.3117,
0.3654


495.7248, 0.3124,
0.3484

 59.9118, 0.3115,
0.3693

133.6962, 0.3120,
0.3595

 43.3476, 0.3112,
0.3742


167.6029, 0.3121,
0.3572

 30.1579, 0.3108,
0.3803


206.8061, 0.3121,
0.3552

 19.9585, 0.3103,
0.3884

251.6903, 0.3122,
0.3535

 12.3649, 0.3094,
0.3996

302.6399, 0.3123,
0.3520

 6.9927, 0.3078,
0.4157

360.0392, 0.3123,

 3.4575, 0.3048,

0.3507

0.4414

424.2727, 0.3123,
0.3495

■ 1.3750, 0.3038,
0.4979

■ 0.1982, 0.0000,
1.0000

■ 80.2351, 0.3117,
0.3654

■ 80.2351, 0.3117,
0.3654

■ 76.0274, 0.3107,
0.3959

■ 85.1212, 0.3125,
0.3383

■ 72.4585, 0.3096,
0.4295

■ 90.7030, 0.3131,
0.3146

■ 69.5002, 0.3082,
0.4650

■ 90.7972, 0.3134,
0.3146

■ 67.1184, 0.3067,
0.5007

■ 65.2754, 0.3051,
0.5341

■ 63.9292, 0.3035,
0.5626

■ 63.0316, 0.3020,
0.5835

■ 62.5246, 0.3009,
0.5957

■ 62.3669, 0.3005,
0.5996

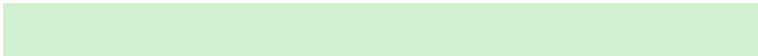
Harmonies

Analogous

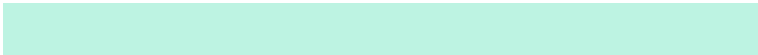
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2351, 0.3355, 0.3718



80.2351, 0.3117, 0.3654



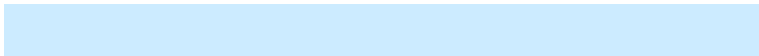
80.2351, 0.2888, 0.3479

Triad

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



80.2351, 0.3117, 0.3654



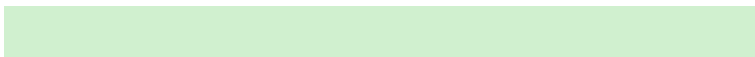
80.2351, 0.2729, 0.2920



80.2351, 0.3543, 0.3304

Complementary

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



80.2351, 0.3117, 0.3654



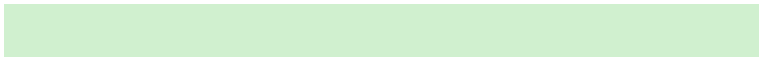
69.2509, 0.3135, 0.2950

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.



80.2351, 0.3363, 0.3109



80.2351, 0.3117, 0.3654



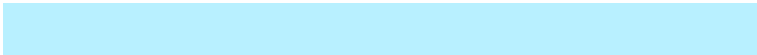
80.2351, 0.2892, 0.2891

Square

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



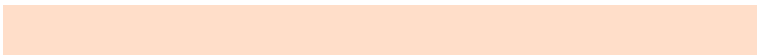
80.2351, 0.3117, 0.3654



80.2351, 0.2670, 0.3049



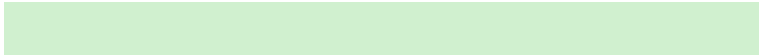
80.2351, 0.3123, 0.2960



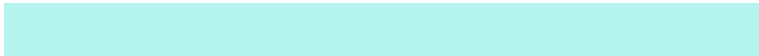
80.2351, 0.3607, 0.3504

Rectangle

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



80.2351, 0.3117, 0.3654



80.2351, 0.2771, 0.3330



80.2351, 0.3123, 0.2960



80.2351, 0.3494, 0.3236

Sweetspot

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



80.2385, 0.3117, 0.3654



97.5357, 0.3125, 0.3389



84.7002, 0.3335, 0.3620



20.7806, 0.3124, 0.3409



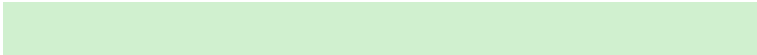
0.0000, 0.0000, 0.0000



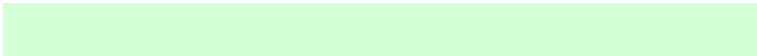
21.4041, 0.3127, 0.3290

Same Dimension

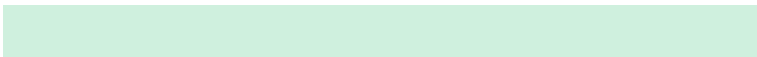
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2385, 0.3117, 0.3654



90.4081, 0.3114, 0.3751



80.8760, 0.3019, 0.3482



17.6805, 0.3121, 0.3534



34.1530, 0.3007, 0.5995



2.8497, 0.3025, 0.5980

Inverse Universe

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



69.2509, 0.3135, 0.2950



75.1293, 0.3137, 0.2866



68.5588, 0.3252, 0.3106



16.0040, 0.3133, 0.3057



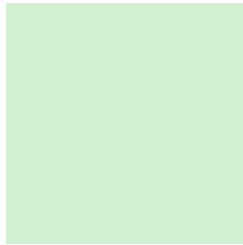
12.8744, 0.3129, 0.1498



1.0791, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 80.2351, 0.3117, 0.3654 looks on a white background.

Color Contrast Check

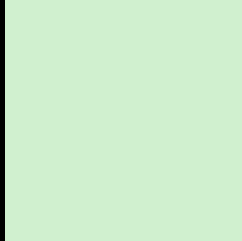
Large Text (above 18pt) WCAG AA × Fail

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 80.2351, 0.3117, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

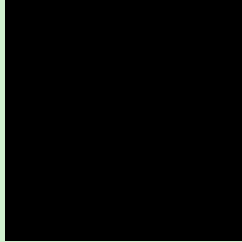
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

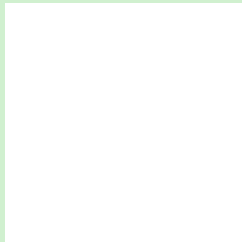
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2351, 0.3117, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 80.2351, 0.3117, 0.3654.

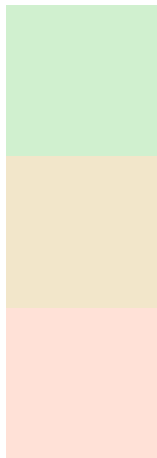


This preview shows how white text looks on a background with the Yxy color 80.2351, 0.3117, 0.3654.

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

80.2351, 0.3117, 0.3654

Protanopia

79.7351, 0.3395, 0.3582

Deuteranopia

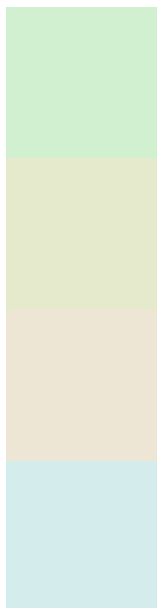
80.0167, 0.3409, 0.3391



Tritanopia

80.3210, 0.2897, 0.3101

Trichromacy



Original Color

80.2351, 0.3117, 0.3654

Protanomaly

80.0283, 0.3291, 0.3610

Deuteranomaly

79.5242, 0.3300, 0.3478

Tritanomaly

80.0441, 0.2971, 0.3290

Monochromacy



Original Color

80.2351, 0.3117, 0.3654

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.0962, 0.3121, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2351, 0.3117, 0.3654 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(208, 240, 207)` looks like.

```
.text, #text, p{  
    color:rgb(208, 240, 207)  
}
```

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(208, 240, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 240, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.2351, 0.3117, 0.3654 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(208, 240, 207) }
```

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

```
.border{ border-color:rgb(208, 240, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 240, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 240, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 240, 207);  
box-shadow:4px 4px 4px 4px rgb(208, 240,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2351, 0.3117, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 240, 207) }
```

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

```
.background{ background-color: rgb(208,  
240, 207) }
```

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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