

Converting Colors

$Yxy(80.0451, 0.3076, 0.3617)$

Have a look what the booklet for
Yxy(80.0451, 0.3076, 0.3617)
contains.

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Color

Yxy(80.0025, 0.3073, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	CDF0D3
RGB	205, 240, 211
RGB Percent	80%, 94%, 83%
CMY	0.1963, 0.0588, 0.1726
CMYK	0.15, 0.00, 0.12, 0.06
HSL	130°, 54%, 87%
HSV	130°, 15%, 94%
XYZ	68.0830, 80.0025, 73.4667
YIQ	226.2290, -11.5510, -16.4390

Conversions

Conversions Part 2

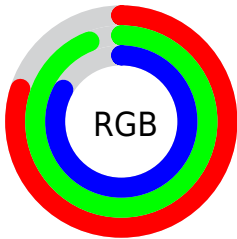
Format	Color
<code>RYP</code>	<code>205, 235, 240</code>
Decimal	<code>13496531</code>
CIE Lab	<code>91.69, -16.79, 10.25</code>
CIE LCh	<code>92, 19.671, 148.603</code>
Yxy	<code>80.0025, 0.3073, 0.3611</code>
Android (<code>android.graphics.Color</code>)	<code>4291686611 (0xFFCDF0D3)</code>
YUV	<code>226.2290, -7.5079, -18.6178</code>
Hunter-Lab	<code>89.4441, -20.6567, 13.9119</code>

Details

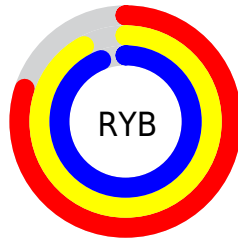
The Yxy color **80.0025, 0.3073, 0.3611** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.1098, 0.3186, 0.2989**, and the grayscale version is **76.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1653, 0.3058, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **75.9152, 0.3036, 0.3865**, and if you desaturate by 10%, it is **84.7434, 0.3110, 0.3385**.

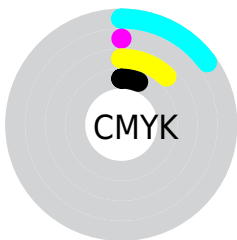
Distribution



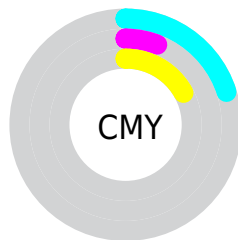
- Red (80%)
- Green (94%)
- Blue (83%)



- Red (80%)
- Yellow (92%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)




- Cyan (20%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0025, 0.3073, 0.3611 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 80.0025, 0.3073, 0.3611 by changing the saturation by 10% instead.


 80.0025, 0.3073,
0.3611

 80.0025, 0.3073,
0.3611


494.9413, 0.3099,
0.3461

 59.7204, 0.3067,
0.3645

133.3692, 0.3082,
0.3559

 43.1933, 0.3059,
0.3688


167.2227, 0.3086,
0.3539

 30.0368, 0.3048,
0.3742


206.3687, 0.3089,
0.3521

 19.8665, 0.3034,
0.3814

251.1917, 0.3092,
0.3506

 12.2981, 0.3015,
0.3912

302.0761, 0.3094,
0.3493

 6.9470, 0.2984,
0.4055

359.4062, 0.3096,

 3.4290, 0.2933,

0.3481

423.5664, 0.3098,
0.3471

0.4281

1.3596, 0.2855,
0.4735

0.1866, 0.0000,
1.0000

80.0025, 0.3073,
0.3611

80.0025, 0.3073,
0.3611

75.9152, 0.3036,
0.3865

84.7434, 0.3110,
0.3385

72.4430, 0.3001,
0.4146

90.1543, 0.3147,
0.3186

69.5591, 0.2969,
0.4447

90.8111, 0.3134,
0.3146

67.2303, 0.2945,
0.4760

■ 65.4205, 0.2929,
0.5068

■ 64.0890, 0.2925,
0.5355

■ 63.1890, 0.2933,
0.5600

■ 62.6637, 0.2951,
0.5788

■ 62.4928, 0.2962,
0.5863

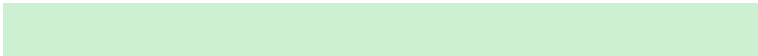
Harmonies

Analogous

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



80.0025, 0.3303, 0.3695



80.0025, 0.3073, 0.3611



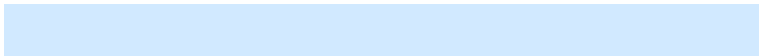
80.0025, 0.2863, 0.3430

Triad

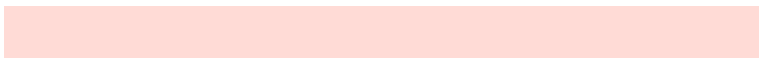
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0025, 0.3073, 0.3611



80.0025, 0.2770, 0.2924



80.0025, 0.3545, 0.3342

Complementary

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



80.0025, 0.3073, 0.3611



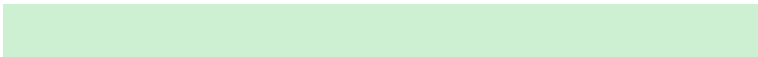
68.1098, 0.3186, 0.2989

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.



80.0025, 0.3392, 0.3151



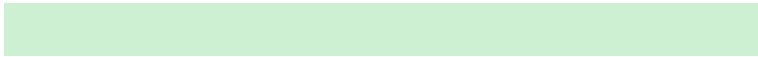
80.0025, 0.3073, 0.3611



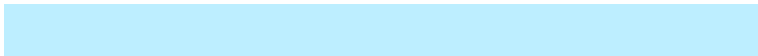
80.0025, 0.2942, 0.2914

Square

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



80.0025, 0.3073, 0.3611



80.0025, 0.2693, 0.3030



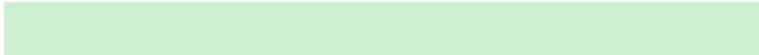
80.0025, 0.3169, 0.2997



80.0025, 0.3581, 0.3528

Rectangle

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



80.0025, 0.3073, 0.3611



80.0025, 0.2762, 0.3286



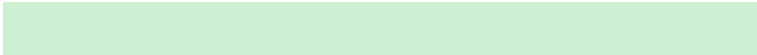
80.0025, 0.3169, 0.2997



80.0025, 0.3505, 0.3277

Sweetspot

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



80.0059, 0.3073, 0.3611



97.5843, 0.3112, 0.3372



84.2587, 0.3306, 0.3657



20.7928, 0.3110, 0.3388



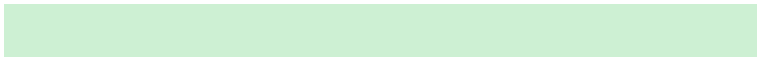
0.0000, 0.0000, 0.0000



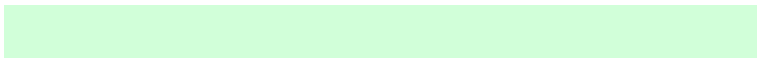
21.4041, 0.3127, 0.3290

Same Dimension

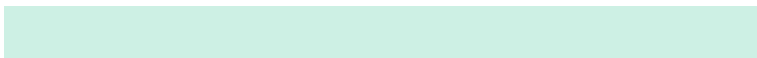
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0059, 0.3073, 0.3611



90.0989, 0.3060, 0.3696



80.9236, 0.2971, 0.3417



17.7007, 0.3092, 0.3491



34.2168, 0.2957, 0.5844



2.8592, 0.2896, 0.5626

Inverse Universe

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



68.1098, 0.3186, 0.2989



73.6325, 0.3202, 0.2916



67.1608, 0.3312, 0.3167



15.9821, 0.3164, 0.3097



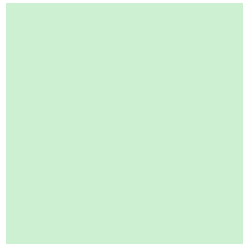
12.4099, 0.3697, 0.1811



1.0446, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 80.0025, 0.3073, 0.3611 looks on a white background.

Color Contrast Check

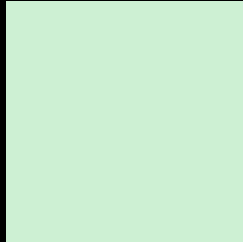
Large Text (above 18pt) WCAG AA × Fail

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 80.0025, 0.3073, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

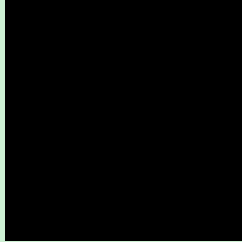
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

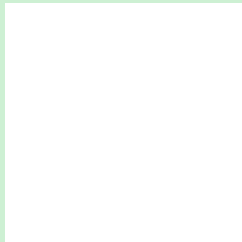
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0025, 0.3073, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 80.0025, 0.3073, 0.3611.

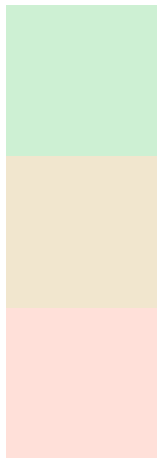


This preview shows how white text looks on a background with the Yxy color 80.0025, 0.3073, 0.3611.

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

80.0025, 0.3073, 0.3611

Protanopia

79.7506, 0.3361, 0.3540

Deuteranopia

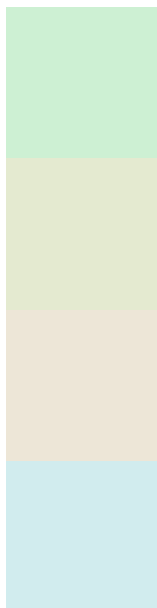
79.5811, 0.3397, 0.3361



Tritanopia

79.9345, 0.2872, 0.3090

Trichromacy



Original Color

80.0025, 0.3073, 0.3611

Protanomaly

79.8937, 0.3251, 0.3567

Deuteranomaly

79.5045, 0.3273, 0.3447

Tritanomaly

79.7193, 0.2940, 0.3268

Monochromacy



Original Color

80.0025, 0.3073, 0.3611

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.2777, 0.3102, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0025, 0.3073, 0.3611 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(205, 240, 211)` looks like.

```
.text, #text, p{  
    color:rgb(205, 240, 211)  
}
```

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(205, 240, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 240, 211) }
```

Border

The CSS property to change the border of an element to Yxy 80.0025, 0.3073, 0.3611 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(205, 240, 211) }
```

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

```
.border{ border-color:rgb(205, 240, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 240, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 240, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 240, 211);  
box-shadow:4px 4px 4px 4px rgb(205, 240,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0025, 0.3073, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 240, 211) }
```

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

```
.background{ background-color: rgb(205,  
240, 211) }
```

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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