

Converting Colors

Yxy(80.5339, 0.2949, 0.3410)

Have a look what the booklet for
Yxy(80.5339, 0.2949, 0.3410)
contains.

Yxy(80.5339, 0.2949, 0.3410)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5339, 0.2949, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	CAF0E5
RGB	202, 240, 229
RGB Percent	79%, 94%, 90%
CMY	0.2081, 0.0587, 0.1020
CMYK	0.16, 0.00, 0.05, 0.06
HSL	163°, 56%, 87%
HSV	163°, 16%, 94%
XYZ	69.6465, 80.5339, 85.9894
YIQ	227.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

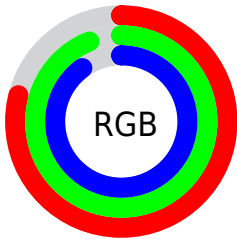
Format	Color
R _Y B	202, 224, 240
Decimal	13299941
CIE Lab	91.92, -14.42, 1.21
CIE LCh	92, 14.468, 175.206
Yxy	80.5339, 0.2949, 0.3410
Android (android.graphics.Color)	4291490021 (0xFFCAF0E5)
YUV	227.3840, 0.7967, -22.2618
Hunter-Lab	89.7407, -18.5149, 6.0069

Details

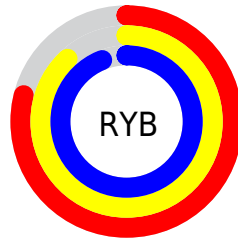
The Yxy color **80.5339, 0.2949, 0.3410** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5469, 0.3343, 0.3173**, and the grayscale version is **77.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6329, 0.2910, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **77.0657, 0.2844, 0.3496**, and if you desaturate by 10%, it is **84.5450, 0.3060, 0.3332**.

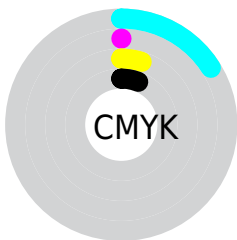
Distribution



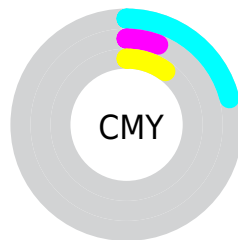
- Red (79%)
- Green (94%)
- Blue (90%)



- Red (79%)
- Yellow (88%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (21%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5339, 0.2949, 0.3410 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 80.5339, 0.2949, 0.3410 by changing the saturation by 10% instead.

 80.5339, 0.2949,
0.3410

 80.5339, 0.2949,
0.3410


496.7303, 0.3030,
0.3355

 60.1578, 0.2931,
0.3422


134.1161, 0.2977,
0.3391

 43.5458, 0.2908,
0.3438

168.0910, 0.2988,
0.3384

 30.3136, 0.2880,
0.3457


207.3676, 0.2997,
0.3377

 20.0768, 0.2844,
0.3482

252.3303, 0.3005,
0.3372

 12.4509, 0.2795,
0.3515

303.3636, 0.3013,
0.3367

 7.0515, 0.2726,
0.3563


360.8517, 0.3019,


 3.4943, 0.2620,


0.3363


425.1792, 0.3025,
0.3359

0.3636

 1.3949, 0.2440,
0.3764


 0.2130, 0.0000,
0.5910


 80.5339, 0.2949,
0.3410


 80.5339, 0.2949,
0.3410


 77.0657, 0.2844,
0.3496


 84.5450, 0.3060,
0.3332


 74.1063, 0.2748,
0.3588

 89.1116, 0.3175,
0.3262


 71.6328, 0.2665,
0.3688


 90.4853, 0.3165,
0.3195

 69.6168, 0.2597,
0.3793


 90.8122, 0.3134,
0.3146

 68.0271, 0.2546,
0.3901

 66.8279, 0.2516,
0.4012

 65.9780, 0.2505,
0.4123

 65.4261, 0.2514,
0.4233

 65.2515, 0.2522,
0.4278

Harmonies

Analogous

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



80.5339, 0.3108, 0.3534



80.5339, 0.2949, 0.3410



80.5339, 0.2839, 0.3254

Triad

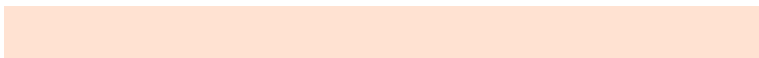
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5339, 0.2949, 0.3410



80.5339, 0.2975, 0.3009



80.5339, 0.3461, 0.3454

Complementary

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



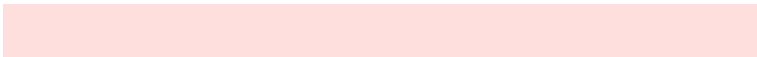
80.5339, 0.2949, 0.3410



65.5469, 0.3343, 0.3173

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.



80.5339, 0.3424, 0.3314



80.5339, 0.2949, 0.3410



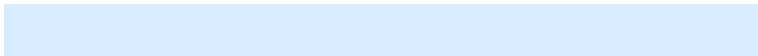
80.5339, 0.3139, 0.3062

Square

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



80.5339, 0.2949, 0.3410



80.5339, 0.2853, 0.3026



80.5339, 0.3305, 0.3173



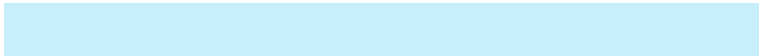
80.5339, 0.3406, 0.3555

Rectangle

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



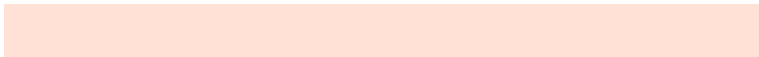
80.5339, 0.2949, 0.3410



80.5339, 0.2807, 0.3156



80.5339, 0.3305, 0.3173



80.5339, 0.3459, 0.3410

Sweetspot

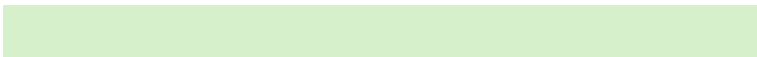
The Sweet Spot groups the original color and five complimentary colors.



80.5373, 0.2949, 0.3410



97.4258, 0.3070, 0.3326



80.7950, 0.3183, 0.3707



20.7785, 0.3062, 0.3331



0.0000, 0.0000, 0.0000



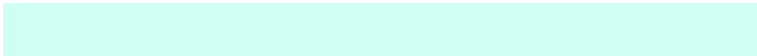
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5373, 0.2949, 0.3410



91.0689, 0.2915, 0.3437



76.7829, 0.2883, 0.3206



17.8463, 0.3019, 0.3359



35.7370, 0.2517, 0.4260



2.9902, 0.2477, 0.4116

Inverse Universe

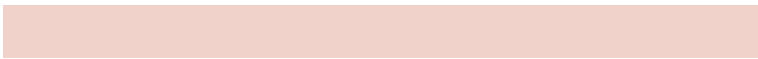
The Inverse Universe completely reimagines the original color for something new.



65.5469, 0.3343, 0.3173



70.8667, 0.3396, 0.3149



68.6665, 0.3415, 0.3372



15.8342, 0.3248, 0.3222



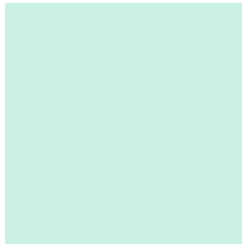
10.4001, 0.5797, 0.2967



0.8818, 0.5424, 0.2762

Previews

White Background



This preview shows how the Yxy color 80.5339, 0.2949, 0.3410 looks on a white background.

Color Contrast Check

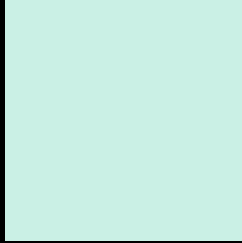
Large Text (above 18pt) WCAG AA × Fail

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 80.5339, 0.2949, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

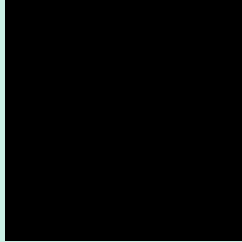
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

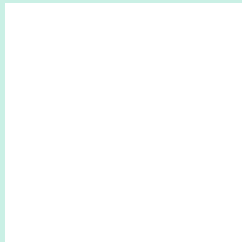
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5339, 0.2949, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 80.5339, 0.2949, 0.3410.

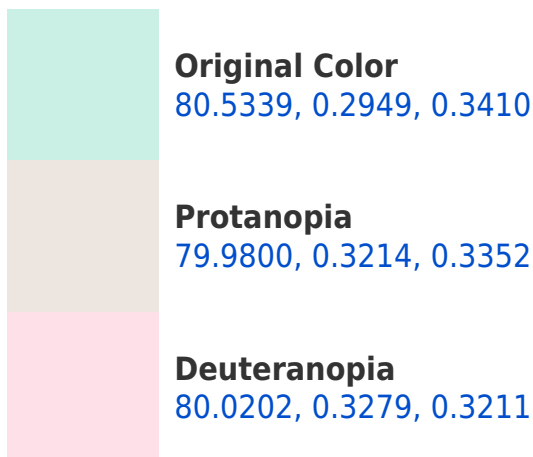


This preview shows how white text looks on a background with the Yxy color 80.5339, 0.2949, 0.3410.

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

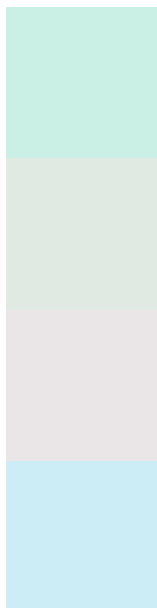




Tritanopia

80.4763, 0.2832, 0.3089

Trichromacy



Original Color

80.5339, 0.2949, 0.3410

Protanomaly

80.1839, 0.3110, 0.3375

Deuteranomaly

79.8556, 0.3148, 0.3280

Tritanomaly

80.2013, 0.2870, 0.3193

Monochromacy



Original Color

80.5339, 0.2949, 0.3410

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2201, 0.3058, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5339, 0.2949, 0.3410 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(202, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 240, 229)  
}
```

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(202, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.5339, 0.2949, 0.3410 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(202, 240, 229) }
```

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

```
.border{ border-color:rgb(202, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 240,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5339, 0.2949, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 240, 229) }
```

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

```
.background{ background-color: rgb(202,  
240, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor