

Converting Colors

$Yxy(70.9062, 0.3077, 0.3589)$

Have a look what the booklet for
Yxy(70.9062, 0.3077, 0.3589)
contains.

Yxy(70.8910, 0.3079, 0.3591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8910, 0.3079, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	C4E3C9
RGB	196, 227, 201
RGB Percent	77%, 89%, 79%
CMY	0.2312, 0.1098, 0.2118
CMYK	0.14, 0.00, 0.11, 0.11
HSL	130°, 36%, 83%
HSV	130°, 14%, 89%
XYZ	60.7835, 70.8910, 65.7385
YIQ	214.7670, -10.1300, -14.6580

Conversions

Conversions Part 2

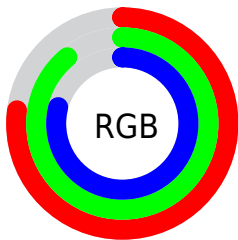
Format	Color
RYB	196, 223, 227
Decimal	12903369
CIELab	87.43, -15.05, 9.29
CIElCh	87, 17.689, 148.306
Yxy	70.8910, 0.3079, 0.3591
Android (android.graphics.Color)	4291093449 (0xFFC4E3C9)
YUV	214.7670, -6.7871, -16.4587
Hunter-Lab	84.1968, -18.4814, 12.6458

Details

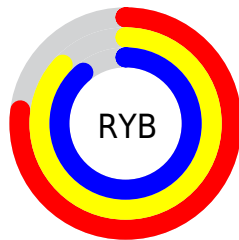
The Yxy color **70.8910, 0.3079, 0.3591** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.1021, 0.3179, 0.3006**, and the grayscale version is **67.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **37.3624, 0.3065, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **67.2340, 0.3043, 0.3845**, and if you desaturate by 10%, it is **75.1259, 0.3114, 0.3365**.

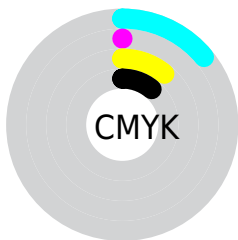
Distribution



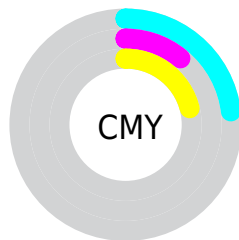
- Red (77%)
- Green (89%)
- Blue (79%)



- Red (77%)
- Yellow (87%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8910, 0.3079, 0.3591 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 70.8910, 0.3079, 0.3591 by changing the saturation by 10% instead.

■ 70.8910, 0.3079,
0.3591

■ 70.8910, 0.3079,
0.3591

463.6723, 0.3103,
0.3448

■ 52.2532, 0.3073,
0.3625

120.4785, 0.3088,
0.3541

■ 37.2070, 0.3066,
0.3667

152.1971, 0.3091,
0.3521

■ 25.3678, 0.3056,
0.3721

189.0447, 0.3094,
0.3505

■ 16.3513, 0.3042,
0.3793

231.4057, 0.3096,
0.3490

■ 9.7731, 0.3023,
0.3895

279.6646, 0.3098,
0.3478

■ 5.2488, 0.2992,
0.4047

334.2057, 0.3100,

■ 2.3939, 0.2936,

0.3467

0.4301

395.4135, 0.3101,
0.3457

0.8228, 0.2795,
0.5546

0.0000, 0.0000,
0.0000

70.8910, 0.3079,
0.3591

70.8910, 0.3079,
0.3591

67.2340, 0.3043,
0.3845

75.1259, 0.3114,
0.3365

64.1211, 0.3009,
0.4126

79.9528, 0.3149,
0.3167

61.5289, 0.2979,
0.4429

83.4162, 0.3140,
0.3019

59.4287, 0.2954,
0.4744

■ 57.7889, 0.2938,
0.5055

■ 56.5743, 0.2932,
0.5346

■ 55.7445, 0.2937,
0.5595

■ 55.2510, 0.2953,
0.5786

■ 55.0661, 0.2965,
0.5875

Harmonies

Analogous

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



70.8910, 0.3294, 0.3669



70.8910, 0.3079, 0.3591



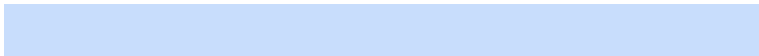
70.8910, 0.2882, 0.3423

Triad

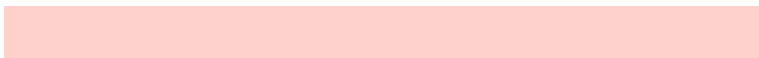
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8910, 0.3079, 0.3591



70.8910, 0.2791, 0.2947



70.8910, 0.3517, 0.3338

Complementary

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



70.8910, 0.3079, 0.3591



61.1021, 0.3179, 0.3006

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.



70.8910, 0.3373, 0.3158



70.8910, 0.3079, 0.3591



70.8910, 0.2952, 0.2937

Square

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



70.8910, 0.3079, 0.3591



70.8910, 0.2720, 0.3048



70.8910, 0.3165, 0.3014



70.8910, 0.3552, 0.3513

Rectangle

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



70.8910, 0.3079, 0.3591



70.8910, 0.2786, 0.3289



70.8910, 0.3165, 0.3014



70.8910, 0.3479, 0.3276

Sweetspot

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



70.8940, 0.3079, 0.3591



97.5772, 0.3113, 0.3373



74.5087, 0.3297, 0.3630



20.7910, 0.3110, 0.3390



0.0000, 0.0000, 0.0000



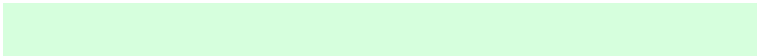
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8940, 0.3079, 0.3591



91.0531, 0.3070, 0.3651



71.6430, 0.2985, 0.3413



16.1267, 0.3094, 0.3493



32.1270, 0.2960, 0.5857



2.3856, 0.2894, 0.5620

Inverse Universe

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



61.1021, 0.3179, 0.3006



76.2600, 0.3190, 0.2954



60.3253, 0.3294, 0.3170



14.5734, 0.3162, 0.3095



11.7220, 0.3660, 0.1790



0.8769, 0.3583, 0.1748

Previews

White Background



This preview shows how the Yxy color 70.8910, 0.3079, 0.3591 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 70.8910, 0.3079, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

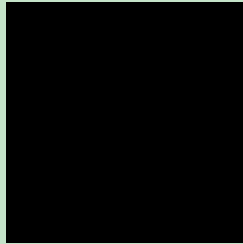
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

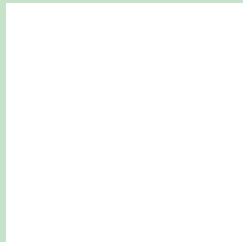
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8910, 0.3079, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 70.8910, 0.3079, 0.3591.

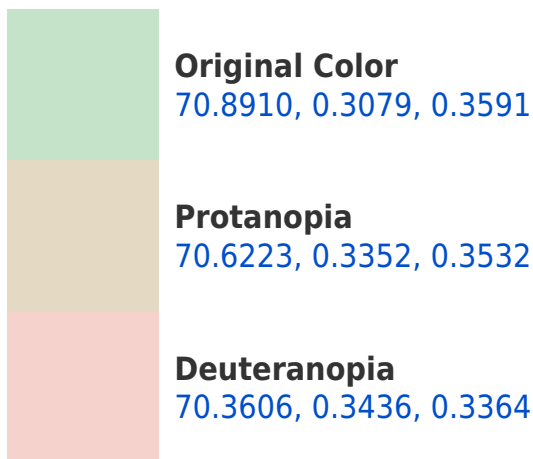


This preview shows how white text looks on a background with the Yxy color 70.8910, 0.3079, 0.3591.

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

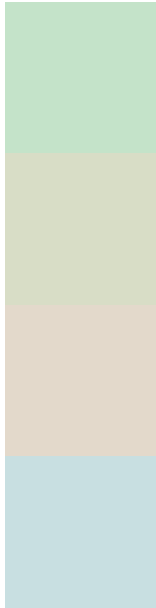




Tritanopia

70.5015, 0.2884, 0.3091

Trichromacy



Original Color

70.8910, 0.3079, 0.3591

Protanomaly

70.3890, 0.3245, 0.3548

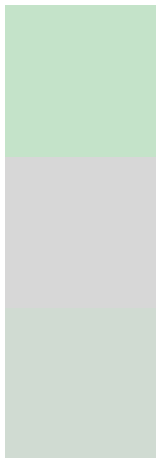
Deuteranomaly

70.2684, 0.3297, 0.3444

Tritanomaly

70.4910, 0.2957, 0.3267

Monochromacy



Original Color

70.8910, 0.3079, 0.3591

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.7261, 0.3108, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8910, 0.3079, 0.3591 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(196, 227, 201)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 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(196, 227, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 201) }
```

Border

The CSS property to change the border of an element to Yxy 70.8910, 0.3079, 0.3591 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(196, 227, 201) }
```

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

```
.border{ border-color:rgb(196, 227, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 201);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8910, 0.3079, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 201) }
```

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

```
.background{ background-color: rgb(196,  
227, 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](#).

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