

Converting Colors

$Yxy(76.8913, 0.2839, 0.3086)$

Have a look what the booklet for
Yxy(76.8913, 0.2839, 0.3086)
contains.

Yxy(76.8913, 0.2839, 0.3086)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8913, 0.2839, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	CCE7FA
RGB	204, 231, 250
RGB Percent	80%, 91%, 98%
CMY	0.1998, 0.0941, 0.0197
CMYK	0.18, 0.08, 0.00, 0.02
HSL	205°, 82%, 89%
HSV	205°, 18%, 98%
XYZ	70.7370, 76.8913, 101.5334
YIQ	225.0930, -22.1910, 0.1850

Conversions

Conversions Part 2

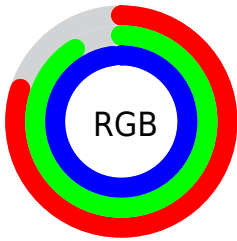
Format	Color
R_{YB}	204, 221, 250
Decimal	13428730
CIE _{Lab}	90.27, -4.95, -12.17
CIE _{LCh}	90, 13.138, 247.845
Yxy	76.8913, 0.2839, 0.3086
Android (android.graphics.Color)	4291618810 (0xFFCCE7FA)
YUV	225.0930, 12.2792, -18.4986
Hunter-Lab	87.6877, -9.4588, -7.2704

Details

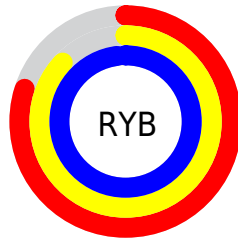
The Yxy color **76.8913, 0.2839, 0.3086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4638, 0.3452, 0.3486**, and the grayscale version is **75.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9445, 0.2767, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **68.0292, 0.2680, 0.2958**, and if you desaturate by 10%, it is **86.6676, 0.2997, 0.3202**.

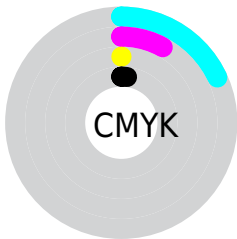
Distribution



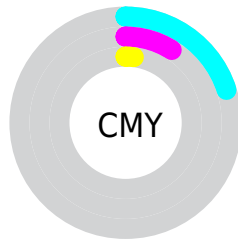
- Red (80%)
- Green (91%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8913, 0.2839, 0.3086 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 76.8913, 0.2839, 0.3086 by changing the saturation by 10% instead.

■ 76.8913, 0.2839,
0.3086

■ 76.8913, 0.2839,
0.3086

484.3933, 0.2970,
0.3180

■ 57.1637, 0.2810,
0.3065

128.9860, 0.2884,
0.3119

■ 41.1367, 0.2774,
0.3038

162.1219, 0.2902,
0.3131

■ 28.4259, 0.2729,
0.3005

200.4960, 0.2917,
0.3142

■ 18.6469, 0.2671,
0.2961

244.4927, 0.2930,
0.3152

■ 11.4154, 0.2593,
0.2902

294.4964, 0.2942,
0.3160

■ 6.3470, 0.2484,
0.2818

350.8914, 0.2952,

■ 3.0572, 0.2320,

0.3168

0.2689

414.0623, 0.2962,
0.3174

■ 1.1617, 0.2050,
0.2467

■ 0.0301, 0.0000,
0.0329

■ 76.8913, 0.2839,
0.3086

■ 76.8913, 0.2839,
0.3086

■ 68.0292, 0.2680,
0.2958

■ 86.6676, 0.2997,
0.3202

■ 60.0392, 0.2523,
0.2820

■ 97.3796, 0.3152,
0.3306

■ 52.8891, 0.2372,
0.2671

■ 99.6805, 0.3156,
0.3338

■ 46.5409, 0.2232,
0.2515

■ 40.9527, 0.2107,
0.2353

■ 36.0776, 0.2002,
0.2191

■ 31.8609, 0.1918,
0.2030

■ 28.2287, 0.1856,
0.1875

■ 27.6785, 0.1847,
0.1850

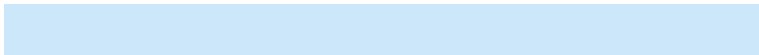
Harmonies

Analogous

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



76.8913, 0.2838, 0.3199



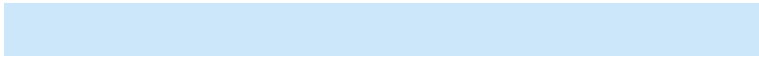
76.8913, 0.2839, 0.3086



76.8913, 0.2915, 0.3031

Triad

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



76.8913, 0.2839, 0.3086



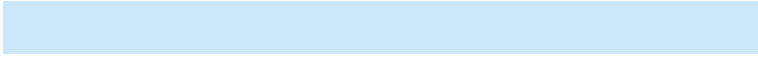
76.8913, 0.3345, 0.3235



76.8913, 0.3201, 0.3552

Complementary

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



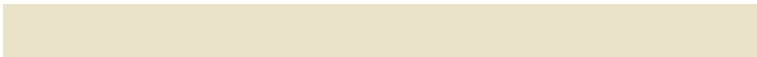
76.8913, 0.2839, 0.3086



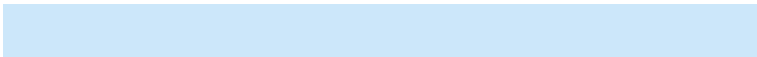
77.4638, 0.3452, 0.3486

Split Complementary

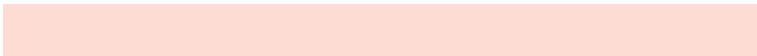
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8913, 0.3340, 0.3556



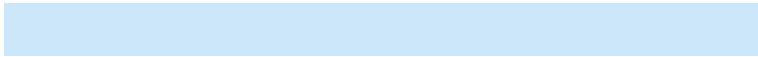
76.8913, 0.2839, 0.3086



76.8913, 0.3425, 0.3369

Square

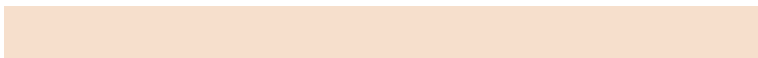
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8913, 0.2839, 0.3086



76.8913, 0.3205, 0.3117



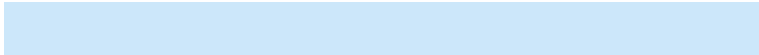
76.8913, 0.3423, 0.3487



76.8913, 0.3045, 0.3473

Rectangle

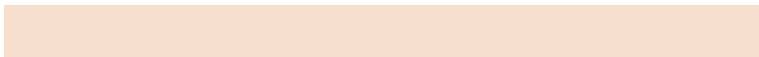
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8913, 0.2839, 0.3086



76.8913, 0.2999, 0.3032



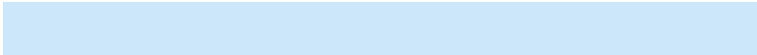
76.8913, 0.3423, 0.3487



76.8913, 0.3251, 0.3562

Sweetspot

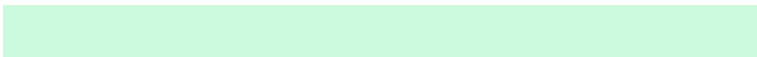
The Sweet Spot groups the original color and five complimentary colors.



76.8945, 0.2839, 0.3086



93.2463, 0.3034, 0.3228



86.4942, 0.3000, 0.3587



19.8058, 0.3024, 0.3221



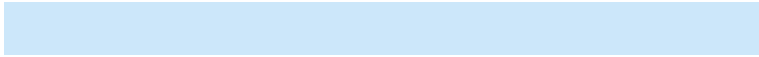
0.0000, 0.0000, 0.0000



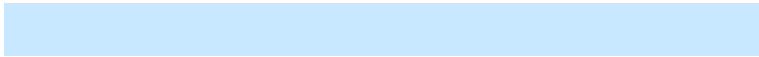
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8945, 0.2839, 0.3086



76.9635, 0.2781, 0.3041



65.1641, 0.2825, 0.2838



18.3362, 0.2980, 0.3190



14.9754, 0.1854, 0.1875



1.5959, 0.1906, 0.2060

Inverse Universe

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



69.2928, 0.3284, 0.3016



67.8771, 0.3321, 0.2959



90.2162, 0.3412, 0.3705



17.3962, 0.3202, 0.3152



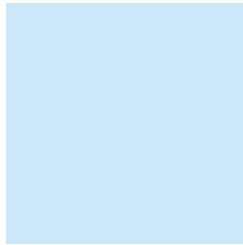
11.9227, 0.4597, 0.2306



1.1253, 0.4385, 0.2189

Previews

White Background



This preview shows how the Yxy color 76.8913, 0.2839, 0.3086 looks on a white background.

Color Contrast Check

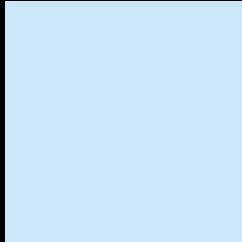
Large Text (above 18pt) WCAG AA × Fail

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 76.8913, 0.2839, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

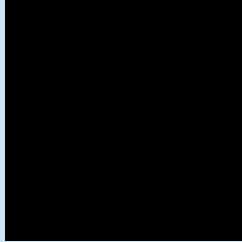
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

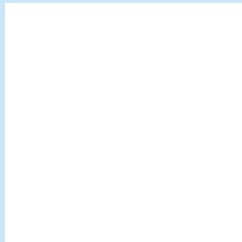
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8913, 0.2839, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 76.8913, 0.2839, 0.3086.

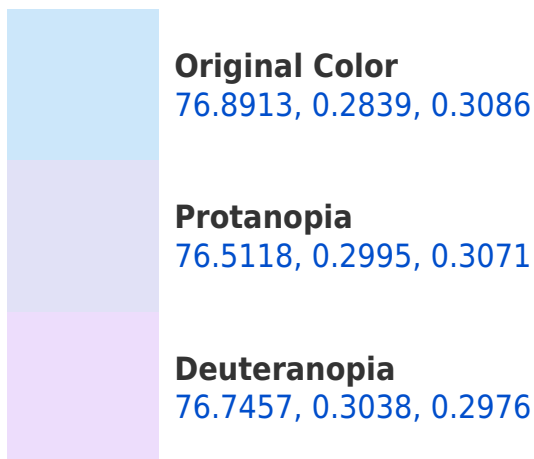


This preview shows how white text looks on a background with the Yxy color 76.8913, 0.2839, 0.3086.

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

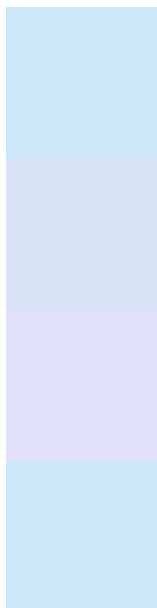




Tritanopia

76.8288, 0.2844, 0.3096

Trichromacy



Original Color

76.8913, 0.2839, 0.3086

Protanomaly

76.4053, 0.2936, 0.3079

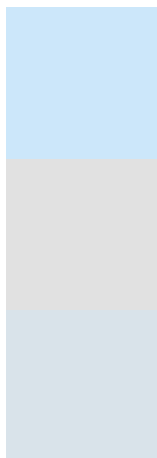
Deuteranomaly

76.8230, 0.2964, 0.3021

Tritanomaly

76.8288, 0.2844, 0.3096

Monochromacy



Original Color

76.8913, 0.2839, 0.3086

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6304, 0.3015, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8913, 0.2839, 0.3086 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(204, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 250)  
}
```

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(204, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 250) }
```

Border

The CSS property to change the border of an element to Yxy 76.8913, 0.2839, 0.3086 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(204, 231, 250) }
```

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

```
.border{ border-color:rgb(204, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8913, 0.2839, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 250) }
```

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

```
.background{ background-color: rgb(204,  
231, 250) }
```

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