

Converting Colors

$Yxy(88.1600, 0.2844, 0.3273)$

Have a look what the booklet for
Yxy(88.1600, 0.2844, 0.3273)
contains.

Yxy(88.1736, 0.2845, 0.3279)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.1736, 0.2845, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	CCFAFB
RGB	204, 250, 251
RGB Percent	80%, 98%, 98%
CMY	0.1999, 0.0196, 0.0158
CMYK	0.19, 0.00, 0.00, 0.02
HSL	181°, 85%, 89%
HSV	181°, 19%, 98%
XYZ	76.5032, 88.1736, 104.2272
YIQ	236.3600, -27.7370, -9.4410

Conversions

Conversions Part 2

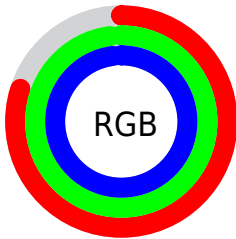
Format	Color
R _Y B	204, 227, 251
Decimal	13433595
CIE Lab	95.23, -14.35, -5.32
CIE LCh	95, 15.309, 200.355
Yxy	88.1736, 0.2845, 0.3279
Android (android.graphics.Color)	4291623675 (0xFFCCFAFB)
YUV	236.3600, 7.2175, -28.3797
Hunter-Lab	93.9008, -18.8983, -0.0796

Details

The Yxy color **88.1736, 0.2845, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5311, 0.3493, 0.3301**, and the grayscale version is **84.1363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4696, 0.2780, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **84.5895, 0.2709, 0.3273**, and if you desaturate by 10%, it is **92.3373, 0.2992, 0.3285**.

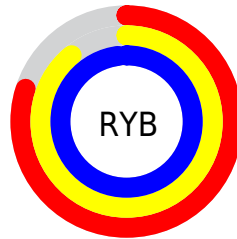
Distribution



Red (80%)

Green (98%)

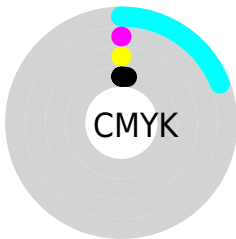
Blue (98%)



Red (80%)

Yellow (89%)

Blue (98%)

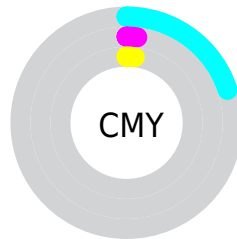


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (20%)


Magenta (2%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1736, 0.2845, 0.3279 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 88.1736, 0.2845, 0.3279 by changing the saturation by 10% instead.


 88.1736, 0.2845,
0.3279

 88.1736, 0.2845,
0.3279


522.0716, 0.2970,
0.3285

 66.4668, 0.2818,
0.3277


144.7988, 0.2887,
0.3281

 48.6515, 0.2784,
0.3275

180.4861, 0.2904,
0.3282

 34.3431, 0.2743,
0.3272


221.6023, 0.2919,
0.3283

 23.1573, 0.2691,
0.3268

268.5319, 0.2932,
0.3284

 14.7097, 0.2622,
0.3262

321.6592, 0.2943,
0.3284

 8.6159, 0.2527,
0.3252

381.3686, 0.2953,

 4.4915, 0.2389,

0.3285

448.0446, 0.2962,
0.3285

0.3236

1.9521, 0.2170,
0.3202

0.5794, 0.1123,
0.3249

88.1736, 0.2845,
0.3279

88.1736, 0.2845,
0.3279

84.5895, 0.2709,
0.3273

92.3373, 0.2992,
0.3285

81.5468, 0.2586,
0.3266


97.0951, 0.3148,
0.3291


79.0195, 0.2480,
0.3259


97.5648, 0.3152,
0.3296


76.9753, 0.2392,
0.3252


97.8900, 0.3152,
0.3301


 75.3781, 0.2324,
0.3245


 98.2161, 0.3152,
0.3306


 74.1870, 0.2275,
0.3238

 98.5431, 0.3151,
0.3310


 73.3533, 0.2245,
0.3231

 98.8710, 0.3151,
0.3315

 72.8069, 0.2230,
0.3224

 99.1998, 0.3151,
0.3320

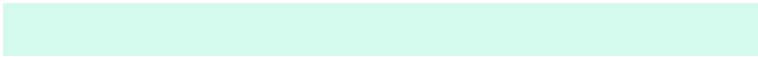
 72.7449, 0.2229,
0.3223

 99.5294, 0.3151,
0.3325

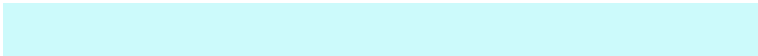
Harmonies

Analogous

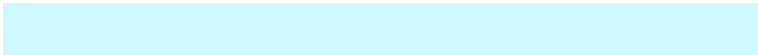
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1736, 0.2968, 0.3437



88.1736, 0.2845, 0.3279



88.1736, 0.2796, 0.3129

Triad

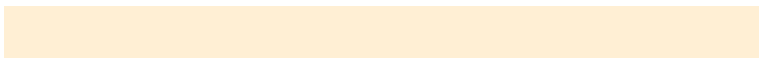
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1736, 0.2845, 0.3279



88.1736, 0.3111, 0.3043



88.1736, 0.3428, 0.3550

Complementary

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



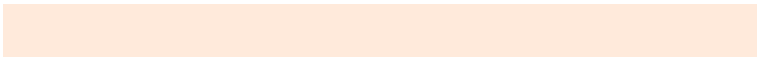
88.1736, 0.2845, 0.3279



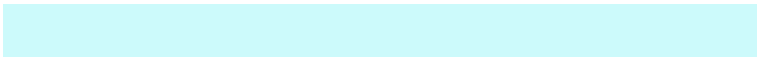
68.5311, 0.3493, 0.3301

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.



88.1736, 0.3470, 0.3437



88.1736, 0.2845, 0.3279



88.1736, 0.3284, 0.3148

Square

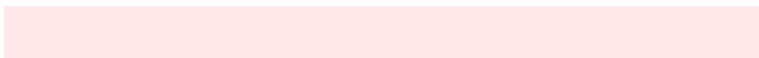
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1736, 0.2845, 0.3279



88.1736, 0.2946, 0.2999



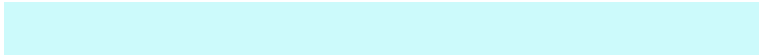
88.1736, 0.3417, 0.3291



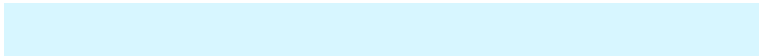
88.1736, 0.3305, 0.3595

Rectangle

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



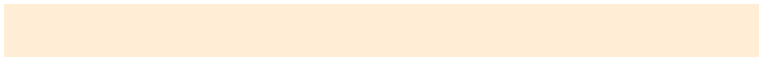
88.1736, 0.2845, 0.3279



88.1736, 0.2811, 0.3055



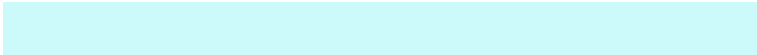
88.1736, 0.3417, 0.3291



88.1736, 0.3452, 0.3518

Sweetspot

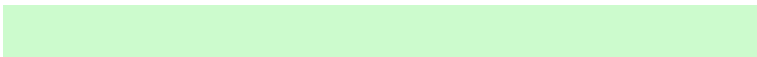
The Sweet Spot groups the original color and five complimentary colors.



88.1772, 0.2845, 0.3279



97.0114, 0.3034, 0.3287



86.2171, 0.3099, 0.3795



20.6977, 0.3024, 0.3286



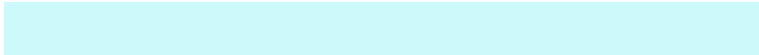
0.0000, 0.0000, 0.0000



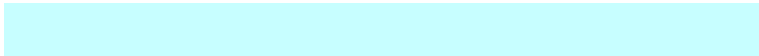
21.4041, 0.3127, 0.3290

Same Dimension

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



88.1772, 0.2845, 0.3279



90.1315, 0.2798, 0.3277



74.5918, 0.2831, 0.3029



19.5434, 0.2980, 0.3285



38.2767, 0.2229, 0.3225



3.5641, 0.2231, 0.3233

Inverse Universe

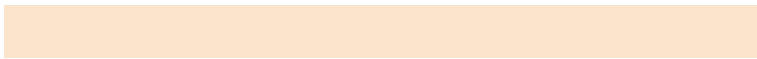
The Inverse Universe completely reimagines the original color for something new.



70.6095, 0.3156, 0.2834



69.2064, 0.3161, 0.2752



80.5093, 0.3450, 0.3538



17.5180, 0.3141, 0.3061



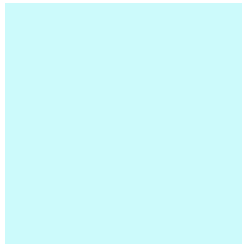
14.2750, 0.3261, 0.1570



1.3240, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 88.1736, 0.2845, 0.3279 looks on a white background.

Color Contrast Check

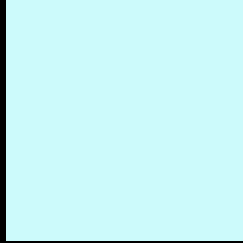
Large Text (above 18pt) WCAG AA × Fail

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 88.1736, 0.2845, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

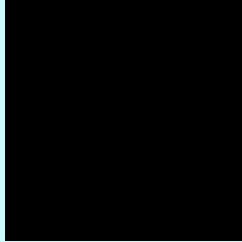
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.1736, 0.2845, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 88.1736, 0.2845, 0.3279.

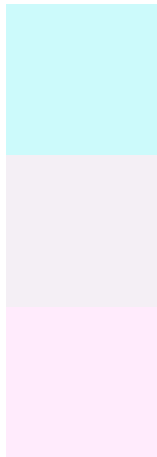


This preview shows how white text looks on a background with the Yxy color 88.1736, 0.2845, 0.3279.

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

88.1736, 0.2845, 0.3279

Protanopia

87.5587, 0.3123, 0.3230

Deuteranopia

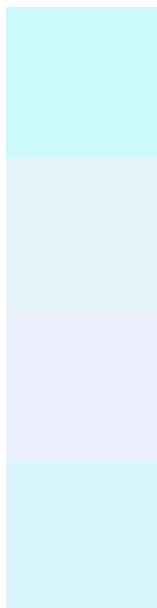
87.7049, 0.3155, 0.3126



Tritanopia

87.7687, 0.2938, 0.3178

Trichromacy



Original Color

88.1736, 0.2845, 0.3279

Protanomaly

87.4746, 0.3014, 0.3249

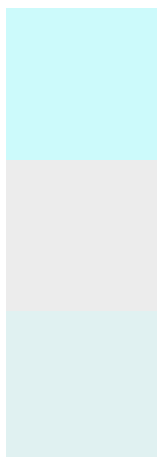
Deuteranomaly

87.1813, 0.3030, 0.3170

Tritanomaly

87.8190, 0.2902, 0.3207

Monochromacy



Original Color

88.1736, 0.2845, 0.3279

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.1088, 0.3018, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1736, 0.2845, 0.3279 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, 250, 251)` looks like.

```
.text, #text, p{  
    color:rgb(204, 250, 251)  
}
```

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, 250, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 250, 251) }
```

Border

The CSS property to change the border of an element to Yxy 88.1736, 0.2845, 0.3279 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, 250, 251) }
```

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

```
.border{ border-color:rgb(204, 250, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 250, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 250, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 250, 251);  
box-shadow:4px 4px 4px 4px rgb(204, 250,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1736, 0.2845, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 250, 251) }
```

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

```
.background{ background-color: rgb(204,  
250, 251) }
```

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