

Converting Colors

$Yxy(89.3317, 0.2800, 0.3377)$

Have a look what the booklet for
Yxy(89.3317, 0.2800, 0.3377)
contains.

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Color

Yxy(89.3118, 0.2797, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFF7
RGB	191, 255, 247
RGB Percent	75%, 100%, 97%
CMY	0.2510, 0.0000, 0.0313
CMYK	0.25, 0.00, 0.03, 0.00
HSL	173°, 100%, 87%
HSV	173°, 25%, 100%
XYZ	74.0383, 89.3118, 101.3559
YIQ	234.9520, -35.5760, -16.0560

Conversions

Conversions Part 2

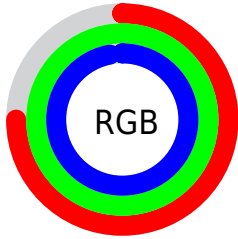
Format	Color
R _Y B	191, 225, 255
Decimal	12582903
CIE Lab	95.71, -21.46, -2.68
CIE LCh	96, 21.623, 187.110
Yxy	89.3118, 0.2797, 0.3374
Android (android.graphics.Color)	4290772983 (0xFFBFFF7)
YUV	234.9520, 5.9397, -38.5459
Hunter-Lab	94.5049, -25.5408, 2.5653

Details

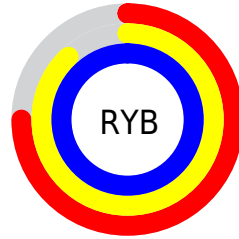
The Yxy color **89.3118, 0.2797, 0.3374** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6458, 0.3595, 0.3209**, and the grayscale version is **83.0167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **49.3840, 0.2725, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **86.0964, 0.2683, 0.3412**, and if you desaturate by 10%, it is **93.1110, 0.2923, 0.3338**.

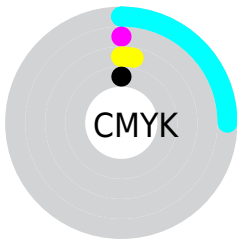
Distribution



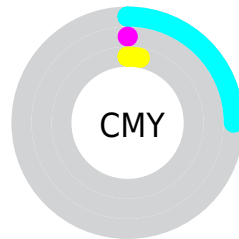
- Red (75%)
- Green (100%)
- Blue (97%)



- Red (75%)
- Yellow (88%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3118, 0.2797, 0.3374 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 89.3118, 0.2797, 0.3374 by changing the saturation by 10% instead.


 89.3118, 0.2797,
0.3374

 89.3118, 0.2797,
0.3374


525.7896, 0.2943,
0.3338

 67.4100, 0.2765,
0.3382


 146.3821, 0.2847,
0.3362

 49.4179, 0.2726,
0.3391


182.3194, 0.2866,
0.3357

 34.9511, 0.2678,
0.3402


223.7039, 0.2883,
0.3353

 23.6252, 0.2617,
0.3416

270.9201, 0.2898,
0.3349

 15.0558, 0.2536,
0.3435

324.3524, 0.2911,
0.3346

 8.8586, 0.2426,
0.3459

384.3852, 0.2923,

 4.6491, 0.2267,

0.3343

0.3491

451.4028, 0.2934,
0.3340

■ 2.0429, 0.2015,
0.3538

■ 0.6322, 0.0486,
0.3989

■ 89.3118, 0.2797,
0.3374

■ 89.3118, 0.2797,
0.3374

■ 86.0964, 0.2683,
0.3412

■ 93.1110, 0.2923,
0.3338


■ 83.4276, 0.2583,
0.3453

■ 97.5142, 0.3057,
0.3306

■ 81.2753, 0.2500,
0.3495


100.0000, 0.3127,
0.3290

■ 79.6035, 0.2435,
0.3539

 78.3717, 0.2390,
0.3583

 77.5324, 0.2365,
0.3627

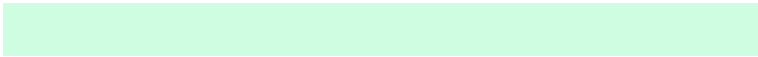
 77.0274, 0.2358,
0.3670

 76.8610, 0.2359,
0.3692

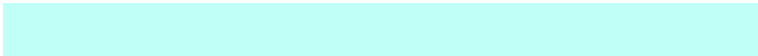
Harmonies

Analogous

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



89.3118, 0.3002, 0.3585



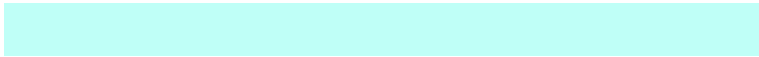
89.3118, 0.2797, 0.3374



89.3118, 0.2681, 0.3147

Triad

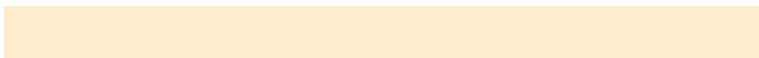
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3118, 0.2797, 0.3374



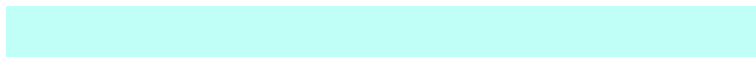
89.3118, 0.2995, 0.2909



89.3118, 0.3594, 0.3590

Complementary

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



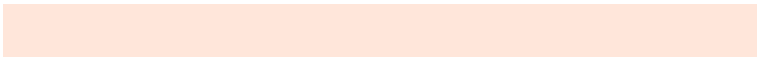
89.3118, 0.2797, 0.3374



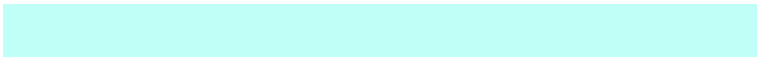
62.6458, 0.3595, 0.3209

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.



89.3118, 0.3595, 0.3403



89.3118, 0.2797, 0.3374



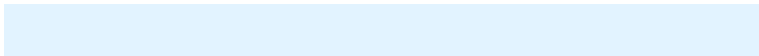
89.3118, 0.3242, 0.3020

Square

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



89.3118, 0.2797, 0.3374



89.3118, 0.2792, 0.2889



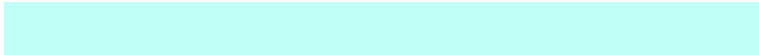
89.3118, 0.3464, 0.3198



89.3118, 0.3464, 0.3706

Rectangle

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



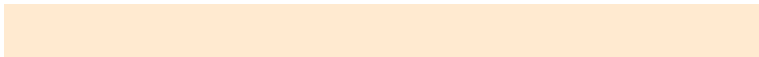
89.3118, 0.2797, 0.3374



89.3118, 0.2667, 0.3022



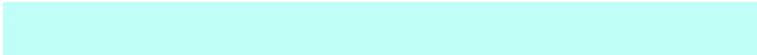
89.3118, 0.3464, 0.3198



89.3118, 0.3609, 0.3533

Sweetspot

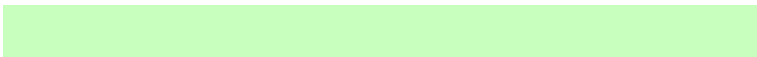
The Sweet Spot groups the original color and five complimentary colors.



89.3142, 0.2797, 0.3374



96.1716, 0.3017, 0.3315



87.4975, 0.3146, 0.3997



20.4402, 0.2997, 0.3320



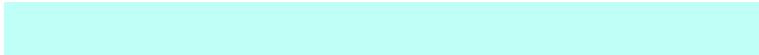
0.0000, 0.0000, 0.0000



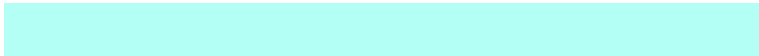
21.4041, 0.3127, 0.3290

Same Dimension

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



89.3142, 0.2797, 0.3374



87.6658, 0.2739, 0.3392



75.7487, 0.2734, 0.3034



20.4402, 0.2997, 0.3320



40.1769, 0.2357, 0.3684



3.9223, 0.2343, 0.3635

Inverse Universe

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



62.6458, 0.3595, 0.3209



56.9321, 0.3720, 0.3192



73.3529, 0.3602, 0.3532



18.0239, 0.3275, 0.3261



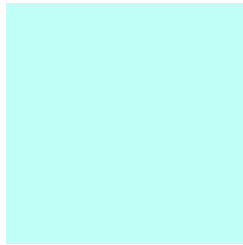
11.1740, 0.6248, 0.3215



1.0990, 0.6003, 0.3080

Previews

White Background



This preview shows how the Yxy color 89.3118, 0.2797, 0.3374 looks on a white background.

Color Contrast Check

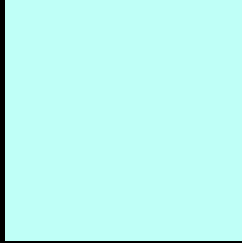
Large Text (above 18pt) WCAG AA × Fail

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 89.3118, 0.2797, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

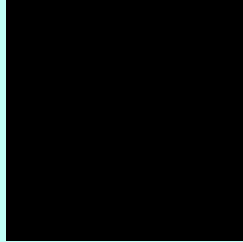
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

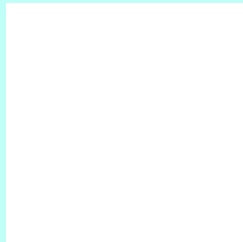
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3118, 0.2797, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 89.3118, 0.2797, 0.3374.

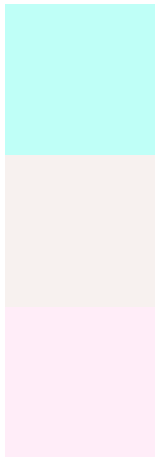


This preview shows how white text looks on a background with the Yxy color 89.3118, 0.2797, 0.3374.

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

89.3118, 0.2797, 0.3374

Protanopia

88.9167, 0.3179, 0.3310

Deuteranopia

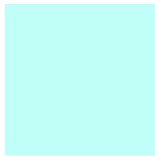
88.6057, 0.3179, 0.3184



Tritanopia

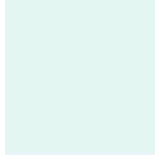
88.9788, 0.2938, 0.3198

Trichromacy



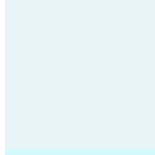
Original Color

89.3118, 0.2797, 0.3374



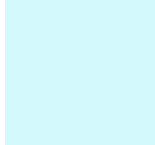
Protanomaly

88.6532, 0.3030, 0.3331



Deuteranomaly

88.6345, 0.3027, 0.3249



Tritanomaly

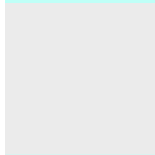
88.7767, 0.2885, 0.3258

Monochromacy



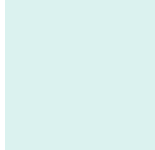
Original Color

89.3118, 0.2797, 0.3374



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7963, 0.2998, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3118, 0.2797, 0.3374 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(191, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 247)  
}
```

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(191, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 89.3118, 0.2797, 0.3374 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(191, 255, 247) }
```

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

```
.border{ border-color:rgb(191, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3118, 0.2797, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 247) }
```

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

```
.background{ background-color: rgb(191,  
255, 247) }
```

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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