

Converting Colors

$Y_{xy}(100.0000, 0.2814, 0.3553)$

Have a look what the booklet for
Yxy(100.0000, 0.2814, 0.3553)
contains.

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Color

Yxy(89.2502, 0.2802, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFF6
RGB	191, 255, 246
RGB Percent	75%, 100%, 96%
CMY	0.2510, 0.0000, 0.0352
CMYK	0.25, 0.00, 0.04, 0.00
HSL	172°, 100%, 87%
HSV	172°, 25%, 100%
XYZ	73.8786, 89.2502, 100.5350
YIQ	234.8380, -35.2550, -16.3670

Conversions

Conversions Part 2

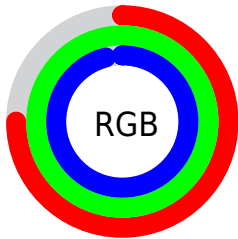
Format	Color
R _Y B	191, 225, 255
Decimal	12582902
CIE Lab	95.68, -21.68, -2.19
CIE LCh	96, 21.787, 185.774
Yxy	89.2502, 0.2802, 0.3385
Android (android.graphics.Color)	4290772982 (0xFFBFFF6)
YUV	234.8380, 5.5029, -38.4459
Hunter-Lab	94.4723, -25.7372, 3.0357

Details

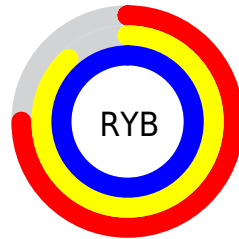
The Yxy color **89.2502, 0.2802, 0.3385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6824, 0.3586, 0.3198**, and the grayscale version is **82.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **49.3401, 0.2731, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **86.0085, 0.2689, 0.3428**, and if you desaturate by 10%, it is **93.0693, 0.2926, 0.3345**.

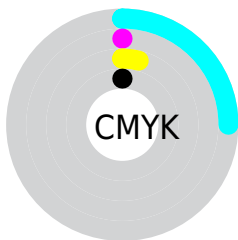
Distribution



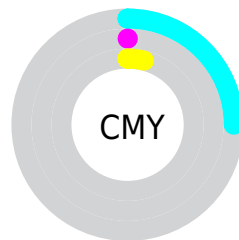
- Red (75%)
- Green (100%)
- Blue (96%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2502, 0.2802, 0.3385 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 89.2502, 0.2802, 0.3385 by changing the saturation by 10% instead.

 89.2502, 0.2802,
0.3385

 89.2502, 0.2802,
0.3385


525.5888, 0.2946,
0.3344

 67.3589, 0.2770,
0.3394


 146.2964, 0.2851,
0.3371

 49.3764, 0.2732,
0.3405


182.2202, 0.2870,
0.3366

 34.9181, 0.2685,
0.3418


223.5903, 0.2887,
0.3361

 23.5998, 0.2624,
0.3434

270.7910, 0.2902,
0.3357

 15.0370, 0.2545,
0.3455

324.2069, 0.2915,
0.3353

 8.8454, 0.2436,
0.3484

384.2222, 0.2926,

 4.6405, 0.2277,

0.3349

0.3524

451.2213, 0.2937,
0.3346

2.0379, 0.2028,
0.3583

0.6294, 0.0449,
0.4095

89.2502, 0.2802,
0.3385

89.2502, 0.2802,
0.3385

86.0085, 0.2689,
0.3428

93.0693, 0.2926,
0.3345


83.3178, 0.2591,
0.3474

97.4970, 0.3058,
0.3308


81.1445, 0.2509,
0.3522


100.0000, 0.3127,
0.3290

79.4525, 0.2446,
0.3572

 78.2013, 0.2402,
0.3622

 77.3435, 0.2378,
0.3672

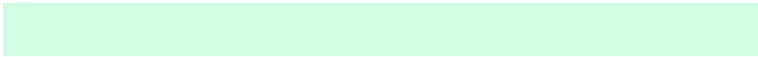
 76.8207, 0.2372,
0.3722

 76.6462, 0.2374,
0.3746

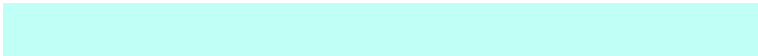
Harmonies

Analogous

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



89.2502, 0.3011, 0.3595



89.2502, 0.2802, 0.3385



89.2502, 0.2681, 0.3156

Triad

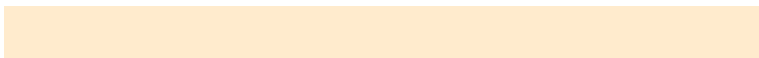
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2502, 0.2802, 0.3385



89.2502, 0.2984, 0.2903



89.2502, 0.3600, 0.3585

Complementary

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



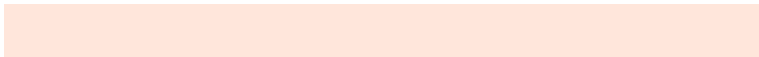
89.2502, 0.2802, 0.3385



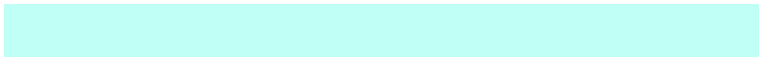
62.6824, 0.3586, 0.3198

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.



89.2502, 0.3595, 0.3395



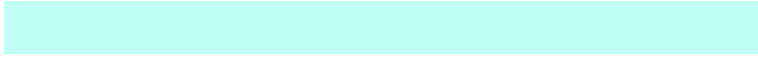
89.2502, 0.2802, 0.3385



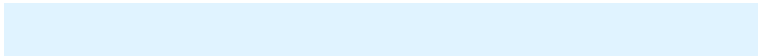
89.2502, 0.3231, 0.3011

Square

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



89.2502, 0.2802, 0.3385



89.2502, 0.2782, 0.2888



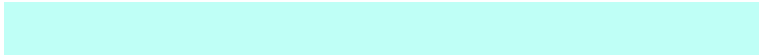
89.2502, 0.3458, 0.3188



89.2502, 0.3474, 0.3706

Rectangle

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



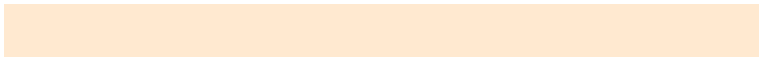
89.2502, 0.2802, 0.3385



89.2502, 0.2663, 0.3027



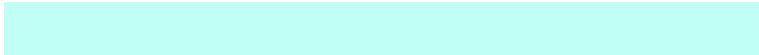
89.2502, 0.3458, 0.3188



89.2502, 0.3614, 0.3526

Sweetspot

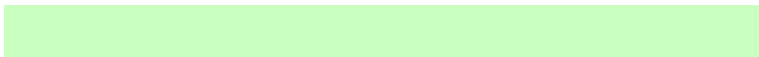
The Sweet Spot groups the original color and five complimentary colors.



89.2490, 0.2802, 0.3385



96.1512, 0.3019, 0.3318



87.6409, 0.3152, 0.3996



20.4350, 0.2999, 0.3323



0.0000, 0.0000, 0.0000



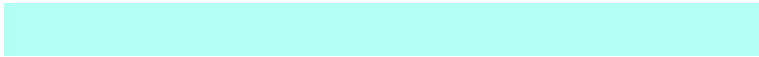
21.4041, 0.3127, 0.3290

Same Dimension

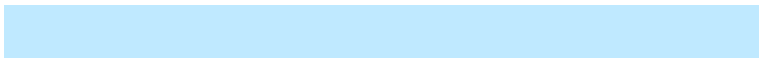
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2490, 0.2802, 0.3385



87.5921, 0.2745, 0.3406



76.3422, 0.2735, 0.3046



20.4350, 0.2999, 0.3323



40.0662, 0.2372, 0.3737



3.9126, 0.2356, 0.3681

Inverse Universe

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



62.6824, 0.3586, 0.3198



56.9844, 0.3709, 0.3179



72.8050, 0.3605, 0.3522



18.0286, 0.3272, 0.3257



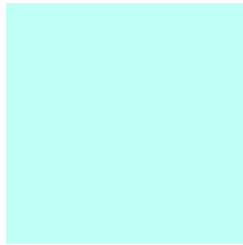
11.1872, 0.6218, 0.3199



1.1012, 0.5957, 0.3055

Previews

White Background



This preview shows how the Yxy color 89.2502, 0.2802, 0.3385 looks on a white background.

Color Contrast Check

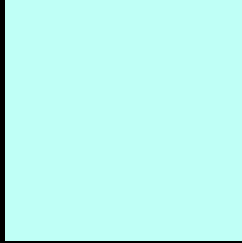
Large Text (above 18pt) WCAG AA × Fail

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 89.2502, 0.2802, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

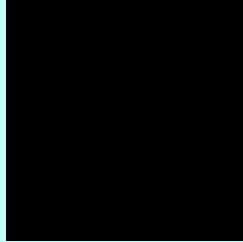
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

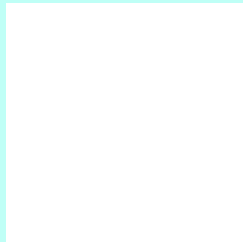
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2502, 0.2802, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 89.2502, 0.2802, 0.3385.

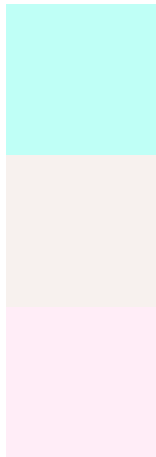


This preview shows how white text looks on a background with the Yxy color 89.2502, 0.2802, 0.3385.

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

89.2502, 0.2802, 0.3385

Protanopia

88.8578, 0.3185, 0.3320

Deuteranopia

88.5438, 0.3185, 0.3193



Tritanopia

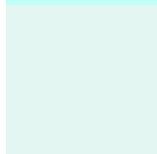
88.9788, 0.2938, 0.3198

Trichromacy



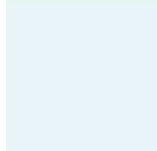
Original Color

89.2502, 0.2802, 0.3385



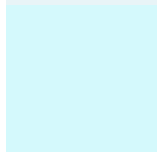
Protanomaly

88.5933, 0.3036, 0.3341



Deuteranomaly

88.5726, 0.3033, 0.3259



Tritanomaly

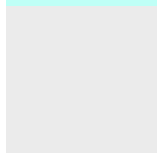
88.7767, 0.2885, 0.3258

Monochromacy



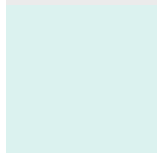
Original Color

89.2502, 0.2802, 0.3385



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 89.2502, 0.2802, 0.3385 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 89.2502, 0.2802, 0.3385 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, 246) }
```

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

```
.border{ border-color:rgb(191, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2502, 0.2802, 0.3385 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, 246) }
```

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

```
.background{ background-color: rgb(191,  
255, 246) }
```

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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