

Converting Colors

$Y_{xy}(100.0000, 0.2818, 0.3562)$

Have a look what the booklet for
Yxy(100.0000, 0.2818, 0.3562)
contains.

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Color

Yxy(89.1889, 0.2807, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFF5
RGB	191, 255, 245
RGB Percent	75%, 100%, 96%
CMY	0.2511, 0.0000, 0.0392
CMYK	0.25, 0.00, 0.04, 0.00
HSL	171°, 100%, 87%
HSV	171°, 25%, 100%
XYZ	73.7200, 89.1889, 99.7203
YIQ	234.7240, -34.9340, -16.6780

Conversions

Conversions Part 2

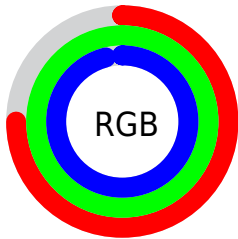
Format	Color
R_{YB}	191, 226, 255
Decimal	12582901
CIE _{Lab}	95.66, -21.90, -1.71
CIE _{LCh}	96, 21.962, 184.462
Yxy	89.1889, 0.2807, 0.3396
Android (android.graphics.Color)	4290772981 (0xFFBFFF5)
YUV	234.7240, 5.0661, -38.3459
Hunter-Lab	94.4399, -25.9322, 3.5028

Details

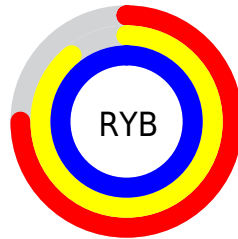
The Yxy color **89.1889, 0.2807, 0.3396** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7192, 0.3578, 0.3188**, and the grayscale version is **82.8281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **49.2965, 0.2738, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **85.9214, 0.2696, 0.3444**, and if you desaturate by 10%, it is **93.0279, 0.2929, 0.3351**.

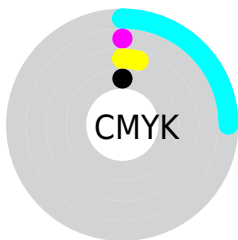
Distribution



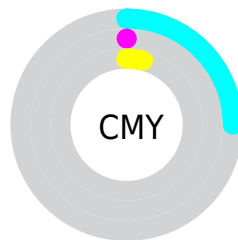
- Red (75%)
- Green (100%)
- Blue (96%)



- Red (75%)
- Yellow (89%)
- 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 89.1889, 0.2807, 0.3396 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 89.1889, 0.2807, 0.3396 by changing the saturation by 10% instead.


 89.1889, 0.2807,
0.3396

 89.1889, 0.2807,
0.3396


525.3888, 0.2949,
0.3350

 67.3081, 0.2776,
0.3406

 146.2112, 0.2855,
0.3380

 49.3351, 0.2738,
0.3418


182.1216, 0.2874,
0.3374

 34.8854, 0.2691,
0.3433


223.4772, 0.2891,
0.3369

 23.5746, 0.2631,
0.3452

270.6625, 0.2905,
0.3364

 15.0183, 0.2553,
0.3476

324.0620, 0.2918,
0.3360

 8.8323, 0.2445,
0.3509

384.0599, 0.2930,

 4.6319, 0.2288,

0.3356

451.0407, 0.2940,
0.3353

0.3556

2.0330, 0.2040,
0.3627

0.6265, 0.0409,
0.4207

89.1889, 0.2807,
0.3396

89.1889, 0.2807,
0.3396

85.9214, 0.2696,
0.3444

93.0279, 0.2929,
0.3351

83.2093, 0.2599,
0.3496

97.4799, 0.3059,
0.3310


81.0156, 0.2518,
0.3550


100.0000, 0.3127,
0.3290

79.3041, 0.2456,
0.3605

 78.0344, 0.2414,
0.3661

 77.1589, 0.2391,
0.3717

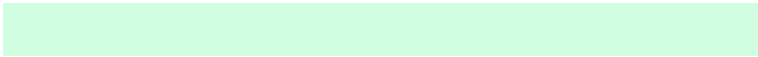
 76.6193, 0.2387,
0.3773

 76.4371, 0.2389,
0.3800

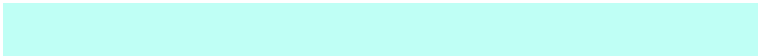
Harmonies

Analogous

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



89.1889, 0.3021, 0.3605



89.1889, 0.2807, 0.3396



89.1889, 0.2680, 0.3164

Triad

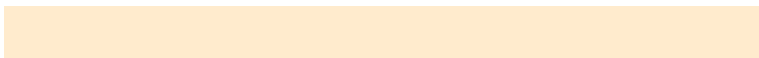
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1889, 0.2807, 0.3396



89.1889, 0.2972, 0.2897



89.1889, 0.3607, 0.3579

Complementary

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



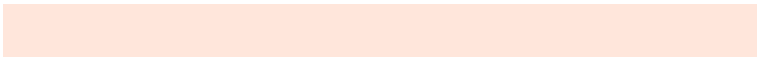
89.1889, 0.2807, 0.3396



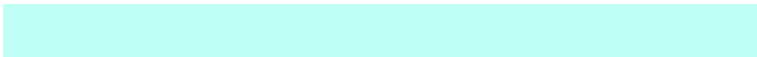
62.7192, 0.3578, 0.3188

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.



89.1889, 0.3596, 0.3386



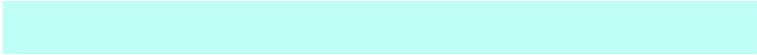
89.1889, 0.2807, 0.3396



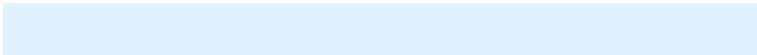
89.1889, 0.3221, 0.3003

Square

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



89.1889, 0.2807, 0.3396



89.1889, 0.2773, 0.2886



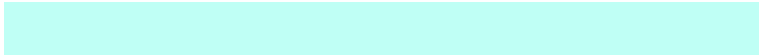
89.1889, 0.3452, 0.3178



89.1889, 0.3485, 0.3706

Rectangle

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



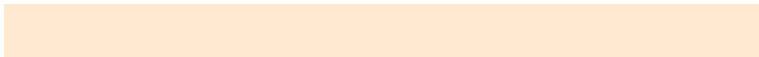
89.1889, 0.2807, 0.3396



89.1889, 0.2659, 0.3032



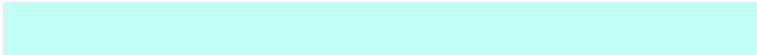
89.1889, 0.3452, 0.3178



89.1889, 0.3619, 0.3520

Sweetspot

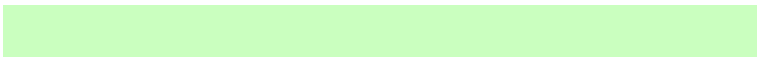
The Sweet Spot groups the original color and five complimentary colors.



89.1843, 0.2807, 0.3396



96.1308, 0.3021, 0.3321



87.7854, 0.3159, 0.3995



20.4299, 0.3001, 0.3327



0.0000, 0.0000, 0.0000



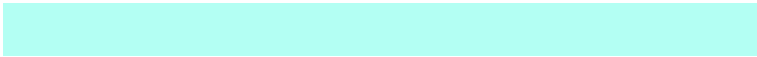
21.4041, 0.3127, 0.3290

Same Dimension

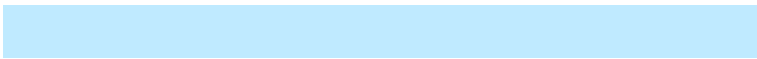
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1843, 0.2807, 0.3396



87.5191, 0.2751, 0.3419



76.9397, 0.2736, 0.3058



20.4299, 0.3001, 0.3327



39.9584, 0.2386, 0.3791



3.9031, 0.2369, 0.3727

Inverse Universe

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



62.7192, 0.3578, 0.3188



57.0370, 0.3698, 0.3167



72.2604, 0.3608, 0.3511



18.0333, 0.3270, 0.3253



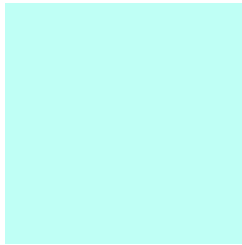
11.2017, 0.6185, 0.3181



1.1034, 0.5912, 0.3030

Previews

White Background



This preview shows how the Yxy color 89.1889, 0.2807, 0.3396 looks on a white background.

Color Contrast Check

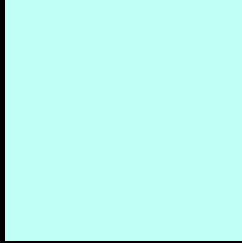
Large Text (above 18pt) WCAG AA × Fail

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 89.1889, 0.2807, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

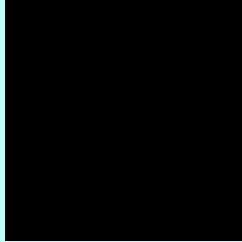
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

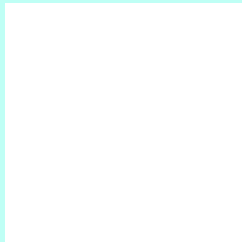
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1889, 0.2807, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 89.1889, 0.2807, 0.3396.

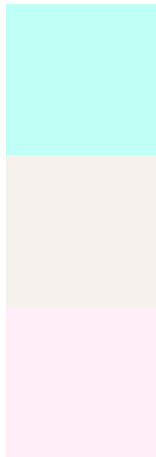


This preview shows how white text looks on a background with the Yxy color 89.1889, 0.2807, 0.3396.

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

89.1889, 0.2807, 0.3396

Protanopia

88.7992, 0.3191, 0.3330

Deuteranopia

88.5438, 0.3185, 0.3193



Tritanopia

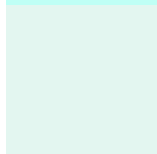
88.8195, 0.2932, 0.3198

Trichromacy



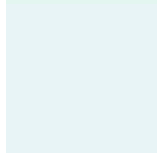
Original Color

89.1889, 0.2807, 0.3396



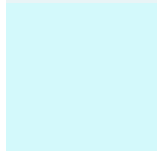
Protanomaly

88.5337, 0.3042, 0.3351



Deuteranomaly

88.5110, 0.3039, 0.3270



Tritanomaly

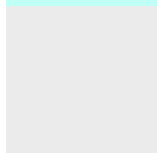
88.5653, 0.2884, 0.3269

Monochromacy



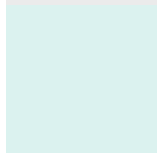
Original Color

89.1889, 0.2807, 0.3396



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 89.1889, 0.2807, 0.3396 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 89.1889, 0.2807, 0.3396 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, 245) }
```

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

```
.border{ border-color:rgb(191, 255, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1889, 0.2807, 0.3396 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, 245) }
```

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

```
.background{ background-color: rgb(191,  
255, 245) }
```

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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