

Converting Colors

Yxy(90.2638, 0.2698, 0.3159)

Have a look what the booklet for
Yxy(90.2638, 0.2698, 0.3159)
contains.

Yxy(89.1800, 0.2756, 0.3278)	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(89.1800, 0.2756, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	BFFEFF
RGB	191, 254, 255
RGB Percent	75%, 100%, 100%
CMY	0.2510, 0.0039, 0.0000
CMYK	0.25, 0.00, 0.00, 0.00
HSL	181°, 100%, 87%
HSV	181°, 25%, 100%
XYZ	74.9787, 89.1800, 107.8975
YIQ	235.2770, -37.8690, -13.0450

Conversions

Conversions Part 2

Format	Color
R _Y B	191, 223, 255
Decimal	12582655
CIE Lab	95.66, -19.28, -6.89
CIE LCh	96, 20.472, 199.652
Yxy	89.1800, 0.2756, 0.3278
Android (android.graphics.Color)	4290772735 (0xFFBFFEFF)
YUV	235.2770, 9.7234, -38.8309
Hunter-Lab	94.4352, -23.5379, -1.6375

Details

The Yxy color **89.1800, 0.2756, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7116, 0.3659, 0.3302**, and the grayscale version is **83.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **49.2440, 0.2681, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **85.9071, 0.2629, 0.3273**, and if you desaturate by 10%, it is **93.0317, 0.2897, 0.3283**.

Distribution



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



- Red (75%)
- Yellow (87%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1800, 0.2756, 0.3278 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 89.1800, 0.2756, 0.3278 by changing the saturation by 10% instead.


 89.1800, 0.2756,
0.3278

 89.1800, 0.2756,
0.3278

525.3598, 0.2920,
0.3286

 67.3007, 0.2720,
0.3276

 146.1989, 0.2811,
0.3281

 49.3291, 0.2677,
0.3273


182.1072, 0.2833,
0.3282

 34.8806, 0.2624,
0.3269


223.4608, 0.2852,
0.3283

 23.5709, 0.2556,
0.3263

270.6439, 0.2869,
0.3284

 15.0156, 0.2468,
0.3255

324.0410, 0.2884,
0.3284

 8.8304, 0.2347,
0.3241

384.0364, 0.2897,

 4.6307, 0.2174,

0.3285

0.3217

451.0145, 0.2909,
0.3285

2.0323, 0.1906,
0.3168

0.6261, 0.0646,
0.3248

89.1800, 0.2756,
0.3278

89.1800, 0.2756,
0.3278

85.9071, 0.2629,
0.3273

93.0317, 0.2897,
0.3283

83.1790, 0.2517,
0.3268

97.4857, 0.3047,
0.3288

80.9646, 0.2423,
0.3263

100.0000, 0.3127,
0.3290

79.2280, 0.2348,
0.3257

■ 77.9284, 0.2293,
0.3252

■ 77.0187, 0.2257,
0.3247

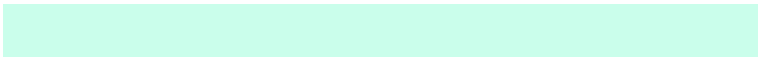
■ 76.4405, 0.2238,
0.3242

■ 76.2374, 0.2233,
0.3239

Harmonies

Analogous

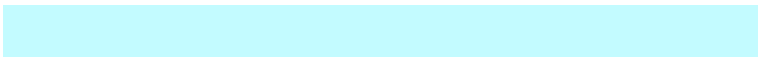
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1800, 0.2920, 0.3492



89.1800, 0.2756, 0.3278



89.1800, 0.2690, 0.3077

Triad

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



89.1800, 0.2756, 0.3278



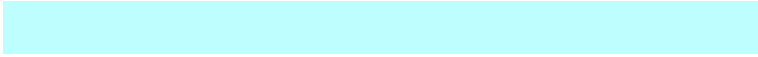
89.1800, 0.3099, 0.2963



89.1800, 0.3531, 0.3631

Complementary

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



89.1800, 0.2756, 0.3278



62.7116, 0.3659, 0.3302

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.



89.1800, 0.3585, 0.3477



89.1800, 0.2756, 0.3278



89.1800, 0.3331, 0.3099

Square

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



89.1800, 0.2756, 0.3278



89.1800, 0.2882, 0.2906



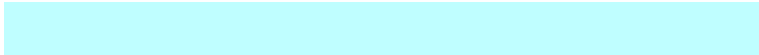
89.1800, 0.3511, 0.3284



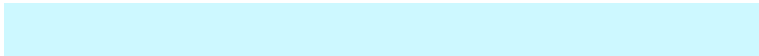
89.1800, 0.3367, 0.3699

Rectangle

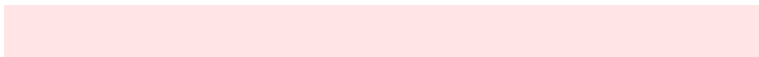
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1800, 0.2756, 0.3278



89.1800, 0.2708, 0.2979



89.1800, 0.3511, 0.3284



89.1800, 0.3563, 0.3587

Sweetspot

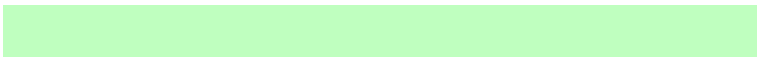
The Sweet Spot groups the original color and five complimentary colors.



89.1814, 0.2756, 0.3278



96.1320, 0.3003, 0.3287



86.3554, 0.3093, 0.4008



20.4301, 0.2980, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

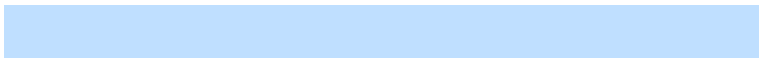
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1814, 0.2756, 0.3278



87.5080, 0.2692, 0.3276



71.0660, 0.2726, 0.2939



20.4301, 0.2980, 0.3286



39.8578, 0.2233, 0.3240



3.8957, 0.2235, 0.3246

Inverse Universe

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



65.6714, 0.3164, 0.2672



60.4438, 0.3171, 0.2552



77.7924, 0.3582, 0.3617



18.2952, 0.3141, 0.3059



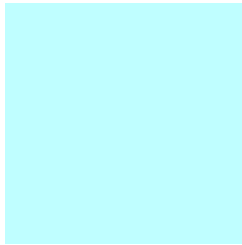
14.7516, 0.3248, 0.1563



1.4378, 0.3244, 0.1560

Previews

White Background



This preview shows how the Yxy color 89.1800, 0.2756, 0.3278 looks on a white background.

Color Contrast Check

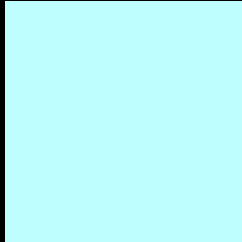
Large Text (above 18pt) WCAG AA × Fail

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 89.1800, 0.2756, 0.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

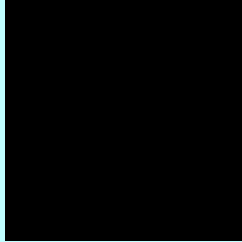
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.1800, 0.2756, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 89.1800, 0.2756, 0.3278.

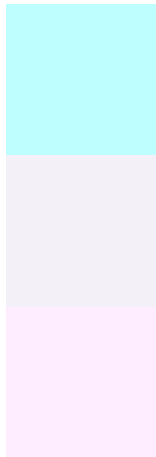


This preview shows how white text looks on a background with the Yxy color 89.1800, 0.2756, 0.3278.

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

89.1800, 0.2756, 0.3278

Protanopia

88.2687, 0.3111, 0.3221

Deuteranopia

88.2817, 0.3129, 0.3107



Tritanopia

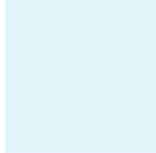
88.8195, 0.2932, 0.3198

Trichromacy



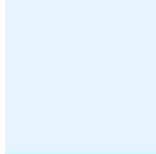
Original Color

89.1800, 0.2756, 0.3278



Protanomaly

88.2145, 0.2972, 0.3239



Deuteranomaly

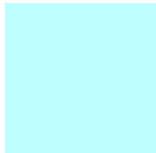
88.3101, 0.2981, 0.3169



Tritanomaly

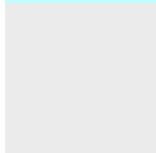
88.8202, 0.2863, 0.3227

Monochromacy



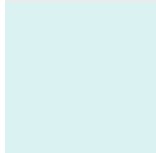
Original Color

89.1800, 0.2756, 0.3278



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.9751, 0.2981, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1800, 0.2756, 0.3278 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 254, 255)  
}
```

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, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.1800, 0.2756, 0.3278 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, 254, 255) }
```

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

```
.border{ border-color:rgb(191, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1800, 0.2756, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 254, 255) }
```

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

```
.background{ background-color: rgb(191,  
254, 255) }
```

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