

Converting Colors

$Y_{xy}(199.7100, 0.2598, 0.3668)$

Have a look what the booklet for
Yxy(199.7100, 0.2598, 0.3668)
contains.

Yxy(89.4314, 0.2742, 0.3289)	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(89.4314, 0.2742, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFFF
RGB	188, 255, 255
RGB Percent	74%, 100%, 100%
CMY	0.2625, 0.0000, 0.0001
CMYK	0.26, 0.00, 0.00, 0.00
HSL	180°, 100%, 87%
HSV	180°, 26%, 100%
XYZ	74.5579, 89.4314, 107.9213
YIQ	234.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

Format	Color
R _Y B	188, 222, 255
Decimal	12386303
CIE Lab	95.76, -20.60, -6.72
CIE LCh	96, 21.666, 198.067
Yxy	89.4314, 0.2742, 0.3289
Android (android.graphics.Color)	4290576383 (0xFFBCFFFF)
YUV	234.9670, 9.8763, -41.1901
Hunter-Lab	94.5682, -24.7643, -1.4641

Details

The Yxy color **89.4314, 0.2742, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8885, 0.3693, 0.3292**, and the grayscale version is **83.0086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **49.4519, 0.2664, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **86.4757, 0.2617, 0.3289**, and if you desaturate by 10%, it is **92.9665, 0.2881, 0.3289**.

Distribution



- Red (74%)
- Green (100%)
- Blue (100%)



- Red (74%)
- Yellow (87%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4314, 0.2742, 0.3289 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 89.4314, 0.2742, 0.3289 by changing the saturation by 10% instead.

 89.4314, 0.2742,
0.3289

 89.4314, 0.2742,
0.3289


526.1795, 0.2912,
0.3292

 67.5091, 0.2705,
0.3288

 146.5483, 0.2799,
0.3290

 49.4985, 0.2660,
0.3286

182.5118, 0.2822,
0.3291

 35.0151, 0.2605,
0.3284


223.9245, 0.2842,
0.3291

 23.6745, 0.2535,
0.3280

271.1707, 0.2859,
0.3291

 15.0923, 0.2444,
0.3274

324.6349, 0.2875,
0.3292

 8.8842, 0.2319,
0.3263


384.7016, 0.2888,


 4.6657, 0.2141,

0.3292

451.7549, 0.2901,
0.3292

0.3244


 2.0525, 0.1866,
0.3201

 0.6377, 0.0538,
0.3323


 89.4314, 0.2742,
0.3289


 89.4314, 0.2742,
0.3289

 86.4757, 0.2617,
0.3289


 92.9665, 0.2881,
0.3289

 84.0585, 0.2509,
0.3288

 97.0981, 0.3030,
0.3290

 82.1505, 0.2419,
0.3288

99.9962, 0.3127,
0.3290

 80.7154, 0.2348,
0.3288

99.9964, 0.3127,
0.3290

■ 79.7118, 0.2298,
0.3288

■ 79.0915, 0.2266,
0.3288

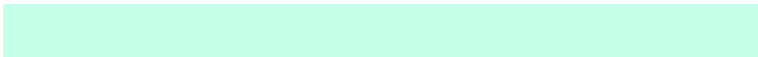
■ 78.7943, 0.2250,
0.3288

■ 78.7324, 0.2247,
0.3288

Harmonies

Analogous

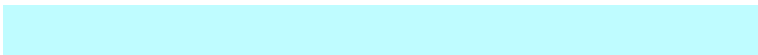
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4314, 0.2919, 0.3515



89.4314, 0.2742, 0.3289



89.4314, 0.2666, 0.3074

Triad

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



89.4314, 0.2742, 0.3289



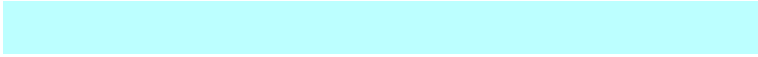
89.4314, 0.3084, 0.2939



89.4314, 0.3560, 0.3643

Complementary

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



89.4314, 0.2742, 0.3289



60.8885, 0.3693, 0.3292

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.



89.4314, 0.3611, 0.3476



89.4314, 0.2742, 0.3289



89.4314, 0.3330, 0.3079

Square

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



89.4314, 0.2742, 0.3289



89.4314, 0.2857, 0.2884



89.4314, 0.3526, 0.3272



89.4314, 0.3391, 0.3722

Rectangle

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



89.4314, 0.2742, 0.3289



89.4314, 0.2681, 0.2968



89.4314, 0.3526, 0.3272



89.4314, 0.3592, 0.3595

Sweetspot

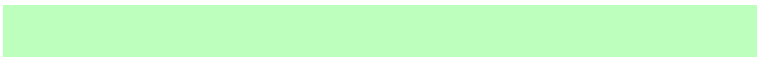
The Sweet Spot groups the original color and five complimentary colors.



89.4350, 0.2742, 0.3289



96.3339, 0.3003, 0.3290



85.9924, 0.3098, 0.4045



20.4814, 0.2980, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

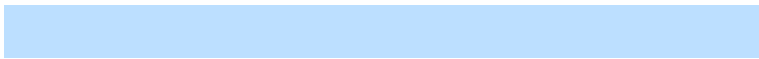
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4350, 0.2742, 0.3289



87.9631, 0.2681, 0.3289



70.5060, 0.2708, 0.2933



20.4814, 0.2980, 0.3290



41.1415, 0.2247, 0.3288



4.0058, 0.2247, 0.3288

Inverse Universe

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



60.8885, 0.3693, 0.3292



55.4244, 0.3836, 0.3292



76.2974, 0.3609, 0.3622



17.9872, 0.3295, 0.3290



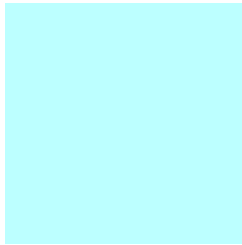
11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 89.4314, 0.2742, 0.3289 looks on a white background.

Color Contrast Check

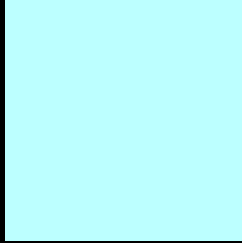
Large Text (above 18pt) WCAG AA × Fail

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 89.4314, 0.2742, 0.3289 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

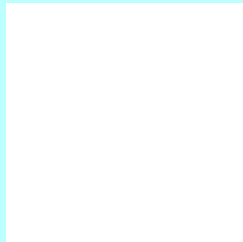
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4314, 0.2742, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 89.4314, 0.2742, 0.3289.

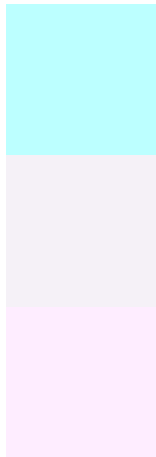


This preview shows how white text looks on a background with the Yxy color 89.4314, 0.2742, 0.3289.

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

89.4314, 0.2742, 0.3289

Protanopia

89.0385, 0.3117, 0.3231

Deuteranopia

88.8592, 0.3129, 0.3117



Tritanopia

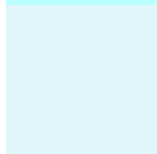
88.8195, 0.2932, 0.3198

Trichromacy



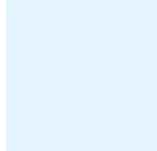
Original Color

89.4314, 0.2742, 0.3289



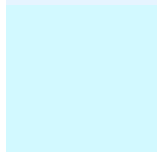
Protanomaly

88.6610, 0.2966, 0.3249



Deuteranomaly

88.7444, 0.2975, 0.3179



Tritanomaly

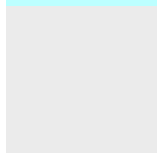
88.6730, 0.2857, 0.3227

Monochromacy



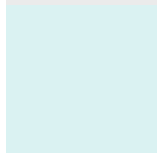
Original Color

89.4314, 0.2742, 0.3289



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8205, 0.2974, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4314, 0.2742, 0.3289 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(188, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 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(188, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.4314, 0.2742, 0.3289 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(188, 255, 255) }
```

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

```
.border{ border-color:rgb(188, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4314, 0.2742, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 255) }
```

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

```
.background{ background-color: rgb(188,  
255, 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