

Converting Colors

$Y_{xy}(100.0000, 0.2770, 0.3467)$

Have a look what the booklet for
Yxy(100.0000, 0.2770, 0.3467)
contains.

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Color

Yxy(89.4946, 0.2752, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFFE</code>
RGB	<code>189, 255, 254</code>
RGB Percent	<code>74%, 100%, 100%</code>
CMY	<code>0.2587, 0.0000, 0.0041</code>
CMYK	<code>0.26, 0.00, 0.00, 0.00</code>
HSL	<code>179°, 100%, 87%</code>
HSV	<code>179°, 26%, 100%</code>
XYZ	<code>74.6331, 89.4946, 107.0681</code>
YIQ	<code>235.1520, -39.0150, -14.3030</code>

Conversions

Conversions Part 2

Format	Color
RYB	189, 222, 255
Decimal	12451838
CIELab	95.79, -20.56, -6.15
CIELCh	96, 21.456, 196.648
Yxy	89.4946, 0.2752, 0.3300
Android (android.graphics.Color)	4290641918 (0xFFBDFFFE)
YUV	235.1520, 9.2921, -40.4753
Hunter-Lab	94.6016, -24.7306, -0.8821

Details

The Yxy color **89.4946, 0.2752, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.3847, 0.3674, 0.3281**, and the grayscale version is **83.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **49.4877, 0.2676, 0.3302** is the 20% darker color. If you saturate the color by 10%, you get **86.4887, 0.2628, 0.3304**, and if you desaturate by 10%, it is **93.0735, 0.2889, 0.3296**.

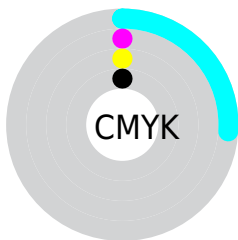
Distribution



- 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 89.4946, 0.2752, 0.3300 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 89.4946, 0.2752, 0.3300 by changing the saturation by 10% instead.


 89.4946, 0.2752,
0.3300

 89.4946, 0.2752,
0.3300


526.3854, 0.2918,
0.3298

 67.5615, 0.2716,
0.3300


 146.6362, 0.2808,
0.3300

 49.5411, 0.2672,
0.3300


182.6135, 0.2830,
0.3299

 35.0489, 0.2618,
0.3299


224.0410, 0.2849,
0.3299

 23.7006, 0.2550,
0.3298

271.3031, 0.2866,
0.3299

 15.1116, 0.2461,
0.3295

324.7842, 0.2881,
0.3299

 8.8978, 0.2339,
0.3289

384.8687, 0.2895,

 4.6746, 0.2165,

0.3298

0.3276

451.9410, 0.2907,
0.3298

2.0576, 0.1894,
0.3245

0.6406, 0.0568,
0.3400

89.4946, 0.2752,
0.3300

89.4946, 0.2752,
0.3300

86.4887, 0.2628,
0.3304

93.0735, 0.2889,
0.3296


84.0264, 0.2520,
0.3309

97.2537, 0.3037,
0.3292

82.0746, 0.2431,
0.3314


100.0000, 0.3127,
0.3290

80.5972, 0.2360,
0.3319

 79.5531, 0.2310,
0.3324

 78.8943, 0.2278,
0.3329

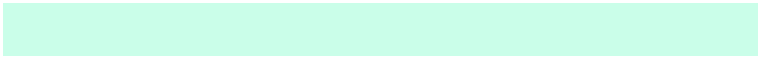
 78.5612, 0.2263,
0.3334

 78.4828, 0.2260,
0.3336

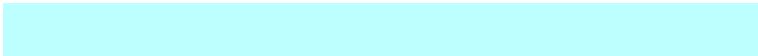
Harmonies

Analogous

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



89.4946, 0.2931, 0.3522



89.4946, 0.2752, 0.3300



89.4946, 0.2672, 0.3085

Triad

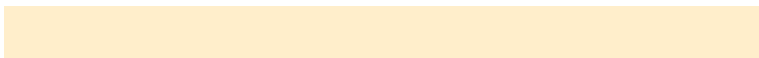
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4946, 0.2752, 0.3300



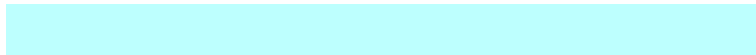
89.4946, 0.3072, 0.2938



89.4946, 0.3561, 0.3634

Complementary

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



89.4946, 0.2752, 0.3300



61.3847, 0.3674, 0.3281

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.



89.4946, 0.3605, 0.3466



89.4946, 0.2752, 0.3300



89.4946, 0.3317, 0.3073

Square

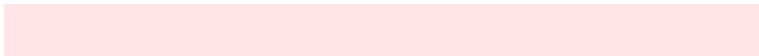
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4946, 0.2752, 0.3300



89.4946, 0.2851, 0.2888



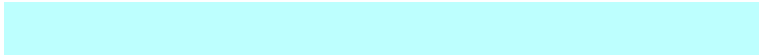
89.4946, 0.3515, 0.3262



89.4946, 0.3399, 0.3716

Rectangle

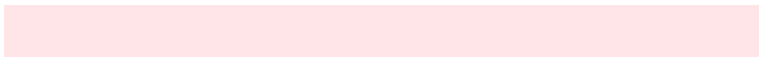
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4946, 0.2752, 0.3300



89.4946, 0.2682, 0.2977



89.4946, 0.3515, 0.3262



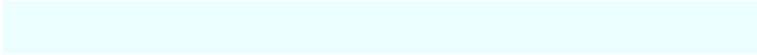
89.4946, 0.3591, 0.3585

Sweetspot

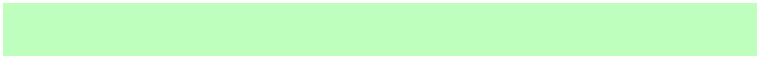
The Sweet Spot groups the original color and five complimentary colors.



89.4944, 0.2752, 0.3300



96.3134, 0.3005, 0.3293



86.1577, 0.3099, 0.4032



20.4762, 0.2982, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

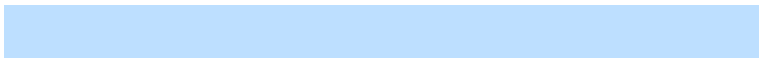
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4944, 0.2752, 0.3300



87.8840, 0.2687, 0.3302



70.8757, 0.2714, 0.2939



20.4762, 0.2982, 0.3293



41.0112, 0.2260, 0.3336



3.9947, 0.2258, 0.3330

Inverse Universe

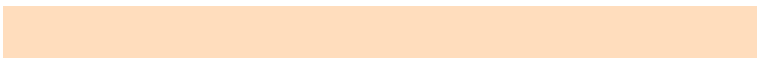
The Inverse Universe completely reimagines the original color for something new.



61.3847, 0.3674, 0.3281



55.4734, 0.3825, 0.3279



76.6008, 0.3601, 0.3617



17.9917, 0.3292, 0.3287



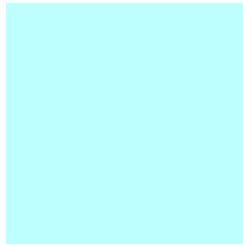
11.1154, 0.6385, 0.3291



1.0838, 0.6346, 0.3270

Previews

White Background



This preview shows how the Yxy color 89.4946, 0.2752, 0.3300 looks on a white background.

Color Contrast Check

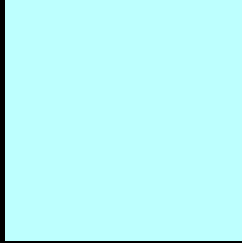
Large Text (above 18pt) WCAG AA × Fail

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 89.4946, 0.2752, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

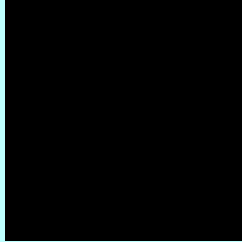
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4946, 0.2752, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 89.4946, 0.2752, 0.3300.

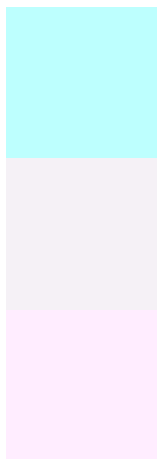


This preview shows how white text looks on a background with the Yxy color 89.4946, 0.2752, 0.3300.

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

89.4946, 0.2752, 0.3300

Protanopia

88.9769, 0.3123, 0.3241

Deuteranopia

89.0484, 0.3135, 0.3117



Tritanopia

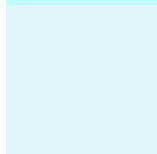
88.9788, 0.2938, 0.3198

Trichromacy



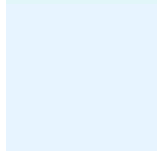
Original Color

89.4946, 0.2752, 0.3300



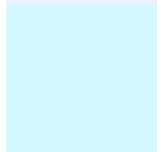
Protanomaly

88.7586, 0.2978, 0.3259



Deuteranomaly

88.9103, 0.2981, 0.3179



Tritanomaly

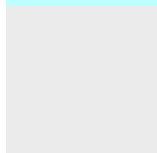
88.8202, 0.2863, 0.3227

Monochromacy



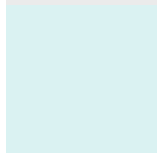
Original Color

89.4946, 0.2752, 0.3300



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 89.4946, 0.2752, 0.3300 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(189, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 254)  
}
```

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(189, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 89.4946, 0.2752, 0.3300 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(189, 255, 254) }
```

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

```
.border{ border-color:rgb(189, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4946, 0.2752, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 254) }
```

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

```
.background{ background-color: rgb(189,  
255, 254) }
```

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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