

Converting Colors

$Yxy(89.3311, 0.2763, 0.3325)$

Have a look what the booklet for
Yxy(89.3311, 0.2763, 0.3325)
contains.

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Color

Yxy(89.3671, 0.2762, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFFC</code>
RGB	189, 255, 252
RGB Percent	74%, 100%, 99%
CMY	0.2586, 0.0000, 0.0119
CMYK	0.26, 0.00, 0.01, 0.00
HSL	177°, 100%, 87%
HSV	177°, 26%, 100%
XYZ	74.3246, 89.3671, 105.4053
YIQ	234.9240, -38.3730, -14.9250

Conversions

Conversions Part 2

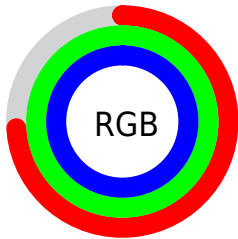
Format	Color
RYB	189, 223, 255
Decimal	12451836
CIELab	95.73, -20.96, -5.20
CIElCh	96, 21.600, 193.940
Yxy	89.3671, 0.2762, 0.3321
Android (android.graphics.Color)	4290641916 (0xFFBDFFFC)
YUV	234.9240, 8.4185, -40.2753
Hunter-Lab	94.5342, -25.0947, 0.0658

Details

The Yxy color **89.3671, 0.2762, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4910, 0.3657, 0.3260**, and the grayscale version is **82.9838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **49.3966, 0.2688, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **86.3161, 0.2641, 0.3335**, and if you desaturate by 10%, it is **92.9991, 0.2896, 0.3308**.

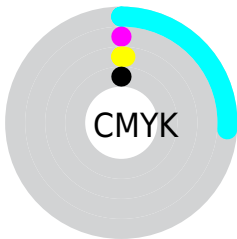
Distribution



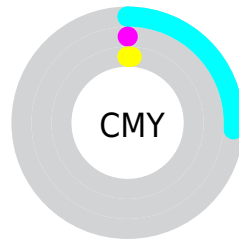
- Red (74%)
- Green (100%)
- Blue (99%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3671, 0.2762, 0.3321 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 89.3671, 0.2762, 0.3321 by changing the saturation by 10% instead.


 89.3671, 0.2762,
0.3321

 89.3671, 0.2762,
0.3321


525.9699, 0.2923,
0.3309

 67.4558, 0.2727,
0.3323


 146.4590, 0.2817,
0.3317

 49.4552, 0.2684,
0.3326


182.4083, 0.2838,
0.3316

 34.9807, 0.2632,
0.3328


223.8059, 0.2857,
0.3314

 23.6480, 0.2565,
0.3331

271.0360, 0.2873,
0.3313

 15.0727, 0.2477,
0.3334

324.4831, 0.2888,
0.3312

 8.8704, 0.2358,
0.3336

384.5315, 0.2901,

 4.6568, 0.2186,

0.3311

451.5656, 0.2913,
0.3310

0.3336

2.0473, 0.1919,
0.3326

0.6347, 0.0513,
0.3558

89.3671, 0.2762,
0.3321

89.3671, 0.2762,
0.3321

86.3161, 0.2641,
0.3335

92.9991, 0.2896,
0.3308

83.8053, 0.2536,
0.3349

97.2290, 0.3040,
0.3296

81.8056, 0.2448,
0.3364

99.9972, 0.3127,
0.3290

80.2806, 0.2380,
0.3379

■ 79.1893, 0.2331,
0.3395

■ 78.4839, 0.2301,
0.3410

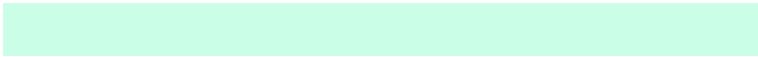
■ 78.1047, 0.2289,
0.3425

■ 78.0071, 0.2287,
0.3431

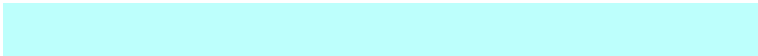
Harmonies

Analogous

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



89.3671, 0.2950, 0.3542



89.3671, 0.2762, 0.3321



89.3671, 0.2671, 0.3101

Triad

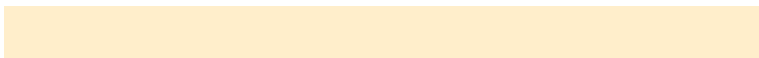
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3671, 0.2762, 0.3321



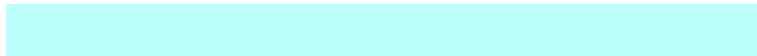
89.3671, 0.3050, 0.2927



89.3671, 0.3574, 0.3624

Complementary

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



89.3671, 0.2762, 0.3321



61.4910, 0.3657, 0.3260

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.



89.3671, 0.3606, 0.3449



89.3671, 0.2762, 0.3321



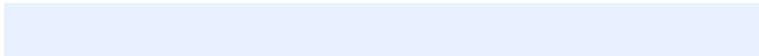
89.3671, 0.3297, 0.3056

Square

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



89.3671, 0.2762, 0.3321



89.3671, 0.2832, 0.2885



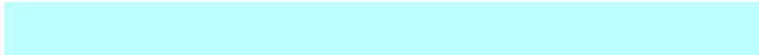
89.3671, 0.3503, 0.3244



89.3671, 0.3419, 0.3717

Rectangle

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



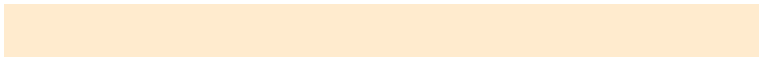
89.3671, 0.2762, 0.3321



89.3671, 0.2675, 0.2987



89.3671, 0.3503, 0.3244



89.3671, 0.3600, 0.3572

Sweetspot

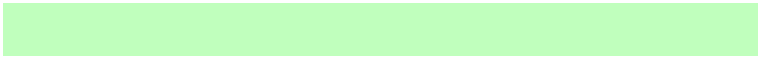
The Sweet Spot groups the original color and five complimentary colors.



89.3707, 0.2762, 0.3321



96.2741, 0.3008, 0.3299



86.4475, 0.3112, 0.4029



20.4662, 0.2986, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

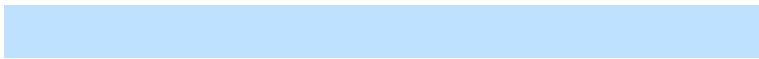
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3707, 0.2762, 0.3321



87.7332, 0.2698, 0.3328



72.0734, 0.2717, 0.2964



20.4662, 0.2986, 0.3301



40.7683, 0.2286, 0.3429



3.9737, 0.2281, 0.3411

Inverse Universe

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



61.4910, 0.3657, 0.3260



55.5689, 0.3803, 0.3254



75.4597, 0.3606, 0.3595



18.0006, 0.3287, 0.3280



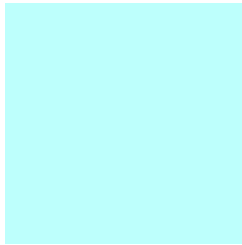
11.1280, 0.6355, 0.3274



1.0880, 0.6246, 0.3215

Previews

White Background



This preview shows how the Yxy color 89.3671, 0.2762, 0.3321 looks on a white background.

Color Contrast Check

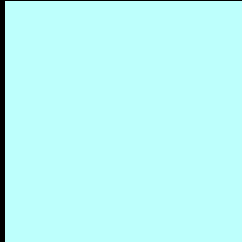
Large Text (above 18pt) WCAG AA × Fail

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 89.3671, 0.2762, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

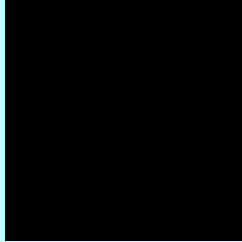
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

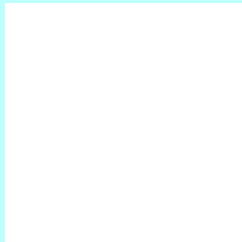
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3671, 0.2762, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 89.3671, 0.2762, 0.3321.

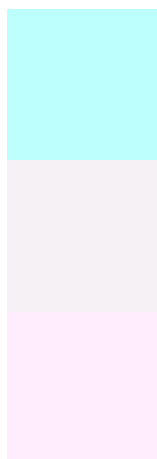


This preview shows how white text looks on a background with the Yxy color 89.3671, 0.2762, 0.3321.

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

89.3671, 0.2762, 0.3321

Protanopia

89.0351, 0.3142, 0.3260

Deuteranopia

88.9202, 0.3148, 0.3136



Tritanopia

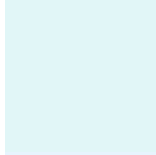
88.8195, 0.2932, 0.3198

Trichromacy



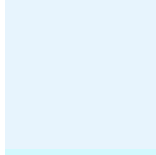
Original Color

89.3671, 0.2762, 0.3321



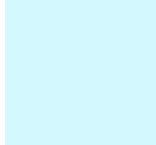
Protanomaly

88.6345, 0.2989, 0.3279



Deuteranomaly

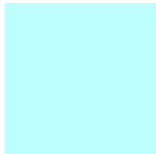
88.7821, 0.2992, 0.3199



Tritanomaly

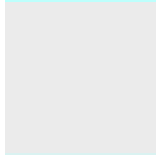
88.7560, 0.2868, 0.3238

Monochromacy



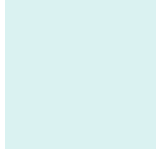
Original Color

89.3671, 0.2762, 0.3321



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7606, 0.2980, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3671, 0.2762, 0.3321 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 89.3671, 0.2762, 0.3321 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, 252) }
```

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

```
.border{ border-color:rgb(189, 255, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3671, 0.2762, 0.3321 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, 252) }
```

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

```
.background{ background-color: rgb(189,  
255, 252) }
```

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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