

Converting Colors

$Y_{xy}(100.0000, 0.2481, 0.2826)$

Have a look what the booklet for
Yxy(100.0000, 0.2481, 0.2826)
contains.

Yxy(88.9303, 0.2721, 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(88.9303, 0.2721, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFFF
RGB	184, 255, 255
RGB Percent	72%, 100%, 100%
CMY	0.2785, 0.0000, 0.0000
CMYK	0.28, 0.00, 0.00, 0.00
HSL	180°, 100%, 86%
HSV	180°, 28%, 100%
XYZ	73.5723, 88.9303, 107.8844
YIQ	233.7710, -42.3160, -15.0520

Conversions

Conversions Part 2

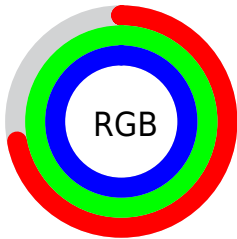
Format	Color
R_{YB}	184, 220, 255
Decimal	12124159
CIE _{Lab}	95.55, -21.74, -7.06
CIE _{LCh}	96, 22.854, 197.986
Yxy	88.9303, 0.2721, 0.3289
Android (android.graphics.Color)	4290314239 (0xFFB8FFFF)
YUV	233.7710, 10.4659, -43.6492
Hunter-Lab	94.3029, -25.7696, -1.8170

Details

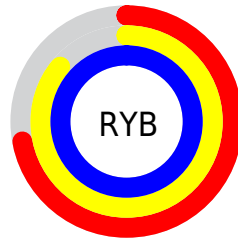
The Yxy color **88.9303, 0.2721, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9955, 0.3740, 0.3292**, and the grayscale version is **82.0355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **49.0546, 0.2634, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **86.0575, 0.2599, 0.3289**, and if you desaturate by 10%, it is **92.3658, 0.2858, 0.3289**.

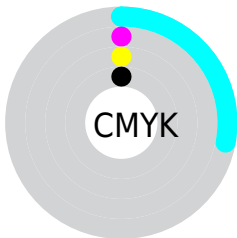
Distribution



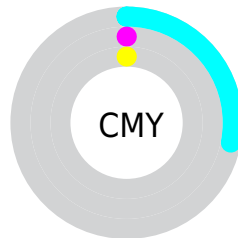
- Red (72%)
- Green (100%)
- Blue (100%)



- Red (72%)
- Yellow (86%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9303, 0.2721, 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 88.9303, 0.2721, 0.3289 by changing the saturation by 10% instead.

 88.9303, 0.2721,
0.3289

 88.9303, 0.2721,
0.3289

524.5450, 0.2900,
0.3292

 67.0938, 0.2682,
0.3288


 145.8516, 0.2782,
0.3291

 49.1608, 0.2635,
0.3286


181.7052, 0.2806,
0.3291

 34.7471, 0.2577,
0.3283


223.0000, 0.2826,
0.3291

 23.4681, 0.2503,
0.3279

270.1203, 0.2845,
0.3292

 14.9395, 0.2406,
0.3272

323.4506, 0.2861,
0.3292

 8.7770, 0.2275,
0.3260

383.3752, 0.2875,

 4.5960, 0.2088,

0.3292

0.3238

450.2785, 0.2888,
0.3292

■ 2.0122, 0.1799,
0.3191

■ 0.6146, 0.0290,
0.3332

■ 88.9303, 0.2721,
0.3289

■ 88.9303, 0.2721,
0.3289

■ 86.0575, 0.2599,
0.3289

■ 92.3658, 0.2858,
0.3289

■ 83.7241, 0.2493,
0.3288

■ 96.3995, 0.3005,
0.3290

■ 81.8945, 0.2406,
0.3288

100.0000, 0.3127,
0.3290

■ 80.5314, 0.2339,
0.3288

■ 79.5928, 0.2291,
0.3288

■ 79.0288, 0.2262,
0.3288

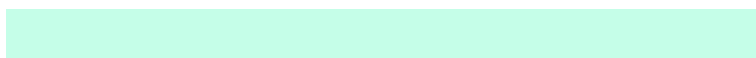
■ 78.7729, 0.2249,
0.3288

■ 78.7374, 0.2247,
0.3288

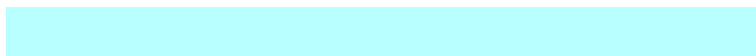
Harmonies

Analogous

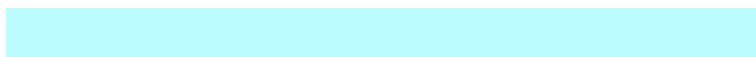
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9303, 0.2907, 0.3529



88.9303, 0.2721, 0.3289



88.9303, 0.2641, 0.3062

Triad

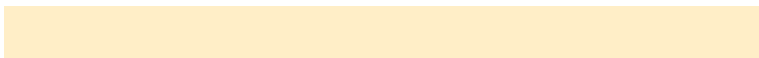
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9303, 0.2721, 0.3289



88.9303, 0.3080, 0.2920



88.9303, 0.3585, 0.3662

Complementary

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



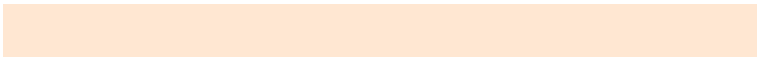
88.9303, 0.2721, 0.3289



58.9955, 0.3740, 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.



88.9303, 0.3639, 0.3485



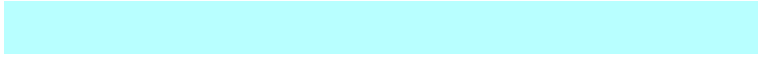
88.9303, 0.2721, 0.3289



88.9303, 0.3340, 0.3067

Square

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



88.9303, 0.2721, 0.3289



88.9303, 0.2842, 0.2862



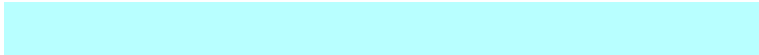
88.9303, 0.3548, 0.3269



88.9303, 0.3407, 0.3747

Rectangle

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



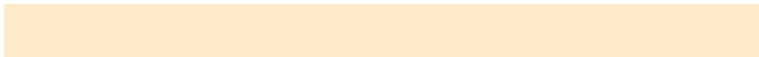
88.9303, 0.2721, 0.3289



88.9303, 0.2656, 0.2950



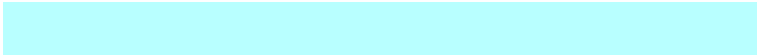
88.9303, 0.3548, 0.3269



88.9303, 0.3619, 0.3611

Sweetspot

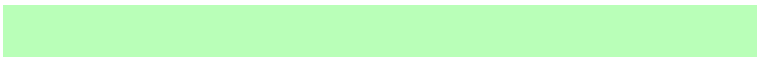
The Sweet Spot groups the original color and five complimentary colors.



88.9278, 0.2721, 0.3289



96.3339, 0.3003, 0.3290



85.3154, 0.3096, 0.4098



20.4815, 0.2980, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

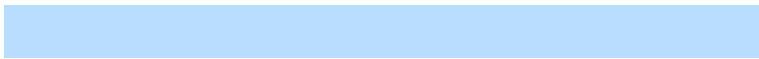
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9278, 0.2721, 0.3289



87.3802, 0.2656, 0.3289



68.9507, 0.2682, 0.2908



20.4815, 0.2980, 0.3290



41.1420, 0.2247, 0.3288



4.0059, 0.2247, 0.3288

Inverse Universe

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



58.9955, 0.3740, 0.3292



53.2642, 0.3901, 0.3292



75.0234, 0.3644, 0.3643



17.9871, 0.3295, 0.3290



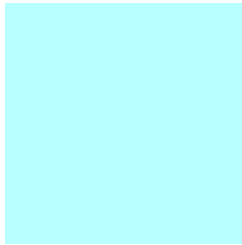
11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 88.9303, 0.2721, 0.3289 looks on a white background.

Color Contrast Check

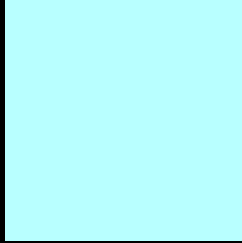
Large Text (above 18pt) WCAG AA × Fail

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 88.9303, 0.2721, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

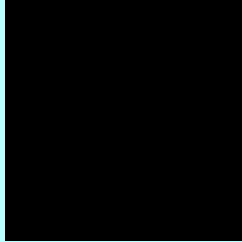
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

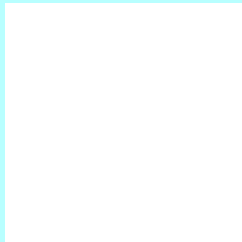
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.9303, 0.2721, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 88.9303, 0.2721, 0.3289.

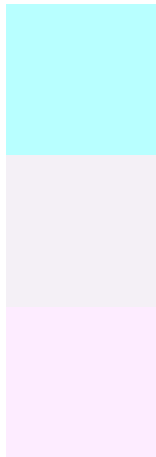


This preview shows how white text looks on a background with the Yxy color 88.9303, 0.2721, 0.3289.

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

88.9303, 0.2721, 0.3289

Protanopia

88.2071, 0.3117, 0.3231

Deuteranopia

88.0936, 0.3123, 0.3106



Tritanopia

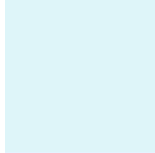
88.5037, 0.2920, 0.3198

Trichromacy



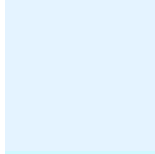
Original Color

88.9303, 0.2721, 0.3289



Protanomaly

87.6740, 0.2960, 0.3249



Deuteranomaly

87.8152, 0.2962, 0.3169



Tritanomaly

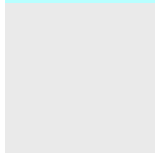
88.3813, 0.2846, 0.3227

Monochromacy



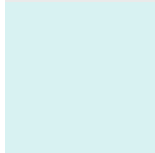
Original Color

88.9303, 0.2721, 0.3289



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5140, 0.2962, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9303, 0.2721, 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(184, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.9303, 0.2721, 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(184, 255, 255) }
```

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

```
.border{ border-color:rgb(184, 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(184, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9303, 0.2721, 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(184, 255, 255) }
```

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

```
.background{ background-color: rgb(184,  
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