

Converting Colors

$Y_{xy}(193.7140, 0.2863, 0.4436)$

Have a look what the booklet for
Yxy(193.7140, 0.2863, 0.4436)
contains.

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Color

Yxy(88.4881, 0.2770, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFF6
RGB	185, 255, 246
RGB Percent	73%, 100%, 96%
CMY	0.2748, 0.0000, 0.0353
CMYK	0.27, 0.00, 0.04, 0.00
HSL	172°, 100%, 86%
HSV	172°, 27%, 100%
XYZ	72.3899, 88.4881, 100.4573
YIQ	233.0440, -38.8310, -17.6390

Conversions

Conversions Part 2

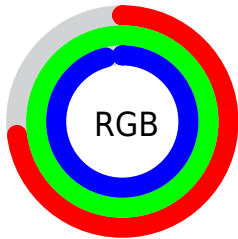
Format	Color
R_{YB}	185, 222, 255
Decimal	12189686
CIE _{Lab}	95.37, -23.41, -2.69
CIE _{LCh}	95, 23.566, 186.558
Yxy	88.4881, 0.2770, 0.3386
Android (android.graphics.Color)	4290379766 (0xFFB9FFF6)
YUV	233.0440, 6.3873, -42.1346
Hunter-Lab	94.0681, -27.2550, 2.5307

Details

The Yxy color **88.4881, 0.2770, 0.3386** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.8207, 0.3651, 0.3198**, and the grayscale version is **81.4768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **48.8517, 0.2694, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **85.3901, 0.2659, 0.3426**, and if you desaturate by 10%, it is **92.1420, 0.2893, 0.3348**.

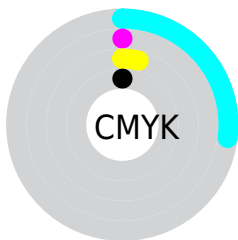
Distribution



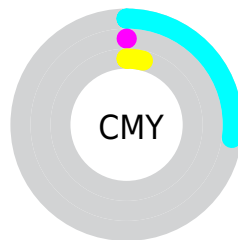
- Red (73%)
- Green (100%)
- Blue (96%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4881, 0.2770, 0.3386 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 88.4881, 0.2770, 0.3386 by changing the saturation by 10% instead.


 88.4881, 0.2770,
0.3386

 88.4881, 0.2770,
0.3386


523.1003, 0.2929,
0.3345

 66.7274, 0.2735,
0.3395


 145.2365, 0.2824,
0.3372

 48.8631, 0.2693,
0.3405


180.9930, 0.2845,
0.3367

 34.5109, 0.2641,
0.3418


222.1835, 0.2863,
0.3362

 23.2864, 0.2575,
0.3435

269.1924, 0.2880,
0.3357

 14.8051, 0.2487,
0.3456

322.4042, 0.2894,
0.3354

 8.6827, 0.2368,
0.3483

382.2031, 0.2907,

 4.5348, 0.2194,

0.3350

0.3521

448.9737, 0.2918,
0.3347

1.9770, 0.1921,
0.3575

0.5941, 0.0000,
0.4157

88.4881, 0.2770,
0.3386

88.4881, 0.2770,
0.3386

85.3901, 0.2659,
0.3426

92.1420, 0.2893,
0.3348

82.8419, 0.2563,
0.3468


96.4044, 0.3024,
0.3314

80.8023, 0.2485,
0.3512


100.0000, 0.3127,
0.3290

79.2342, 0.2425,
0.3557

 78.0957, 0.2385,
0.3603

 77.3373, 0.2365,
0.3648

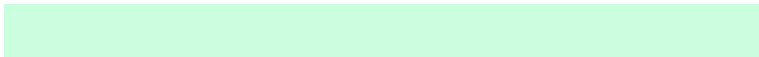
 76.8944, 0.2362,
0.3693

 76.8085, 0.2362,
0.3705

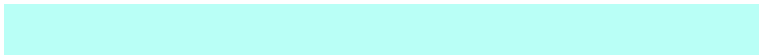
Harmonies

Analogous

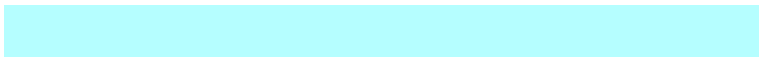
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4881, 0.2994, 0.3617



88.4881, 0.2770, 0.3386



88.4881, 0.2642, 0.3137

Triad

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



88.4881, 0.2770, 0.3386



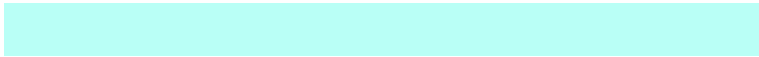
88.4881, 0.2978, 0.2874



88.4881, 0.3639, 0.3613

Complementary

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



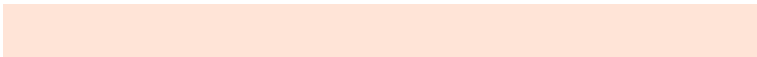
88.4881, 0.2770, 0.3386



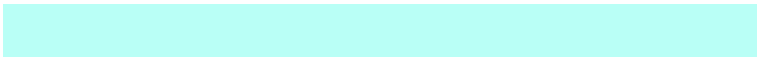
59.8207, 0.3651, 0.3198

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.



88.4881, 0.3637, 0.3408



88.4881, 0.2770, 0.3386



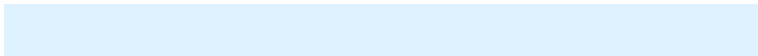
88.4881, 0.3247, 0.2993

Square

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



88.4881, 0.2770, 0.3386



88.4881, 0.2758, 0.2854



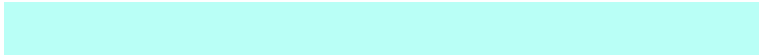
88.4881, 0.3492, 0.3185



88.4881, 0.3498, 0.3743

Rectangle

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



88.4881, 0.2770, 0.3386



88.4881, 0.2626, 0.2999



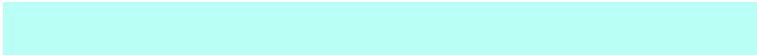
88.4881, 0.3492, 0.3185



88.4881, 0.3655, 0.3550

Sweetspot

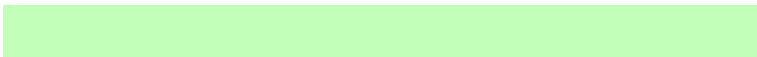
The Sweet Spot groups the original color and five complimentary colors.



88.4799, 0.2770, 0.3386



96.1667, 0.3017, 0.3316



86.5254, 0.3146, 0.4074



20.4390, 0.2997, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

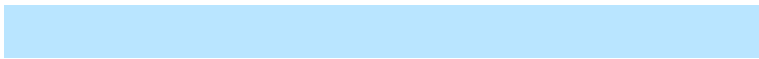
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4799, 0.2770, 0.3386



86.7049, 0.2707, 0.3408



73.7350, 0.2697, 0.3007



20.4390, 0.2997, 0.3321



40.1498, 0.2360, 0.3697



3.9200, 0.2346, 0.3646

Inverse Universe

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



59.8207, 0.3651, 0.3198



53.6922, 0.3800, 0.3179



71.1613, 0.3658, 0.3556



18.0250, 0.3274, 0.3260



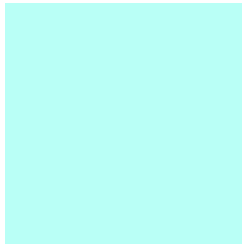
11.1771, 0.6241, 0.3211



1.0996, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 88.4881, 0.2770, 0.3386 looks on a white background.

Color Contrast Check

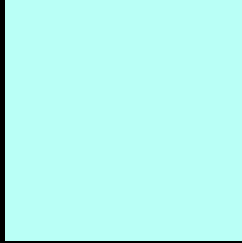
Large Text (above 18pt) WCAG AA × Fail

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 88.4881, 0.2770, 0.3386 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

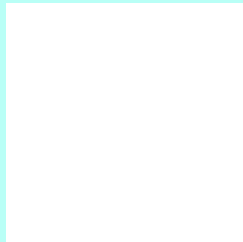
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4881, 0.2770, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 88.4881, 0.2770, 0.3386.

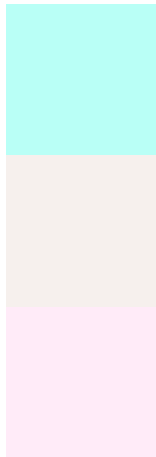


This preview shows how white text looks on a background with the Yxy color 88.4881, 0.2770, 0.3386.

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

88.4881, 0.2770, 0.3386

Protanopia

88.0274, 0.3185, 0.3320

Deuteranopia

87.4540, 0.3180, 0.3164



Tritanopia

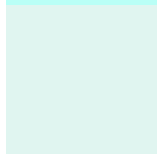
88.3472, 0.2914, 0.3198

Trichromacy



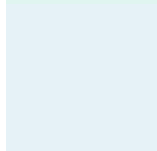
Original Color

88.4881, 0.2770, 0.3386



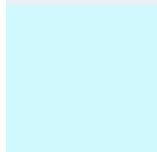
Protanomaly

87.4434, 0.3023, 0.3341



Deuteranomaly

87.0427, 0.3021, 0.3239



Tritanomaly

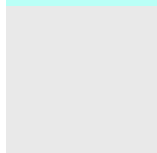
88.0450, 0.2856, 0.3258

Monochromacy



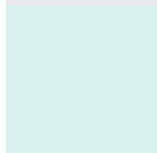
Original Color

88.4881, 0.2770, 0.3386



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.6826, 0.2985, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4881, 0.2770, 0.3386 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(185, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 246)  
}
```

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(185, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 88.4881, 0.2770, 0.3386 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(185, 255, 246) }
```

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

```
.border{ border-color:rgb(185, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4881, 0.2770, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 246) }
```

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

```
.background{ background-color: rgb(185,  
255, 246) }
```

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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