

Converting Colors

$Y_{xy}(84.1060, 0.2681, 0.3555)$

Have a look what the booklet for
Yxy(84.1060, 0.2681, 0.3555)
contains.

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Color

Yxy(84.1185, 0.2680, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	99FFE8
RGB	153, 255, 232
RGB Percent	60%, 100%, 91%
CMY	0.3998, 0.0000, 0.0902
CMYK	0.40, 0.00, 0.09, 0.00
HSL	166°, 100%, 80%
HSV	166°, 40%, 100%
XYZ	63.4678, 84.1185, 89.2338
YIQ	221.8800, -53.4090, -28.7770

Conversions

Conversions Part 2

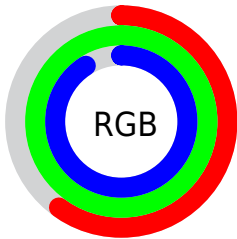
Format	Color
RYB	153, 210, 255
Decimal	10092520
CIELab	93.50, -34.96, 1.63
CIELCh	94, 35.002, 177.325
Yxy	84.1185, 0.2680, 0.3552
Android (android.graphics.Color)	4288282600 (0xFF99FFE8)
YUV	221.8800, 4.9892, -60.4078
Hunter-Lab	91.7161, -36.9808, 6.5160

Details

The Yxy color **84.1185, 0.2680, 0.3552** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.1928, 0.3910, 0.3051**, and the grayscale version is **72.9587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.0096, 0.2585, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **81.5776, 0.2597, 0.3630**, and if you desaturate by 10%, it is **87.2070, 0.2778, 0.3478**.

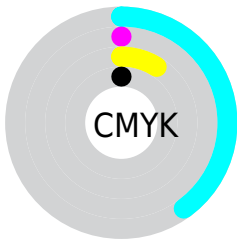
Distribution



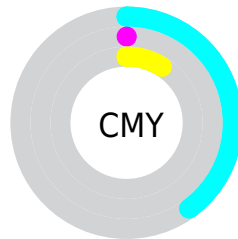
- Red (60%)
- Green (100%)
- Blue (91%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1185, 0.2680, 0.3552 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 84.1185, 0.2680, 0.3552 by changing the saturation by 10% instead.


 84.1185, 0.2680,
0.3552


 84.1185, 0.2680,
0.3552


508.7067, 0.2881,
0.3433

 63.1133, 0.2635,
0.3578

 139.1409, 0.2749,
0.3511

 45.9329, 0.2581,
0.3611


 173.9269, 0.2776,
0.3495

 32.1928, 0.2513,
0.3652


214.0753, 0.2799,
0.3482

 21.5088, 0.2426,
0.3704

259.9704, 0.2820,
0.3470

 13.4964, 0.2311,
0.3774

311.9968, 0.2838,
0.3459

 7.7713, 0.2151,
0.3871

370.5386, 0.2854,

 3.9489, 0.1916,

0.3449

0.4017

435.9805, 0.2868,
0.3441

■ 1.6450, 0.1478,
0.4288

■ 0.3877, 0.0000,
0.5573

■ 84.1185, 0.2680,
0.3552

■ 84.1185, 0.2680,
0.3552

■ 81.5776, 0.2597,
0.3630

■ 87.2070, 0.2778,
0.3478

■ 79.5401, 0.2530,
0.3711

■ 90.8642, 0.2887,
0.3410

■ 77.9711, 0.2483,
0.3795

■ 95.1222, 0.3004,
0.3347

■ 76.8271, 0.2456,
0.3879

99.9991, 0.3127,
0.3290

 76.0560, 0.2448,
0.3963

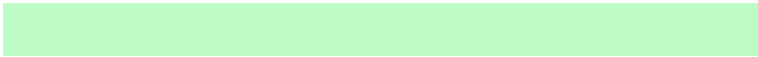
 75.5730, 0.2457,
0.4047

 75.5722, 0.2458,
0.4047

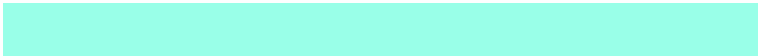
Harmonies

Analogous

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



84.1185, 0.3040, 0.3881



84.1185, 0.2680, 0.3552



84.1185, 0.2447, 0.3159

Triad

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



84.1185, 0.2680, 0.3552



84.1185, 0.2787, 0.2652



84.1185, 0.3926, 0.3671

Complementary

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



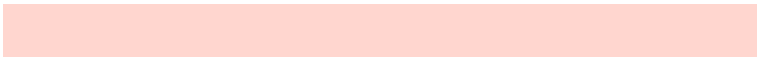
84.1185, 0.2680, 0.3552



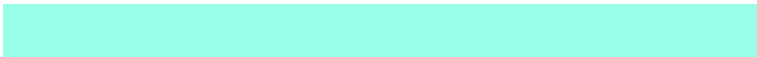
47.1928, 0.3910, 0.3051

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.



84.1185, 0.3856, 0.3350



84.1185, 0.2680, 0.3552



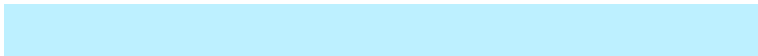
84.1185, 0.3175, 0.2786

Square

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



84.1185, 0.2680, 0.3552



84.1185, 0.2506, 0.2664



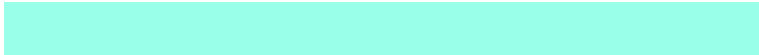
84.1185, 0.3574, 0.3035



84.1185, 0.3767, 0.3923

Rectangle

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



84.1185, 0.2680, 0.3552



84.1185, 0.2387, 0.2931



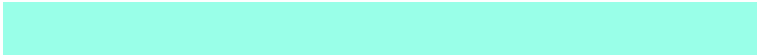
84.1185, 0.3574, 0.3035



84.1185, 0.3929, 0.3568

Sweetspot

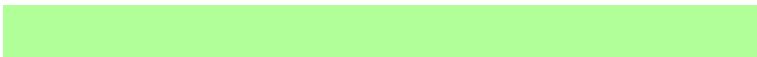
The Sweet Spot groups the original color and five complimentary colors.



84.1219, 0.2680, 0.3552



94.2146, 0.2980, 0.3359



83.1480, 0.3208, 0.4475



20.0428, 0.2965, 0.3367



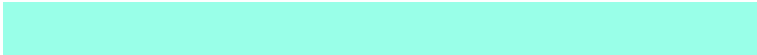
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.1219, 0.2680, 0.3552



82.0416, 0.2612, 0.3614



69.3792, 0.2526, 0.2976



20.4072, 0.3010, 0.3344



39.5123, 0.2454, 0.4033



3.8635, 0.2427, 0.3938

Inverse Universe

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



47.1928, 0.3910, 0.3051



40.4712, 0.4155, 0.3006



56.2973, 0.4027, 0.3578



18.0542, 0.3259, 0.3237



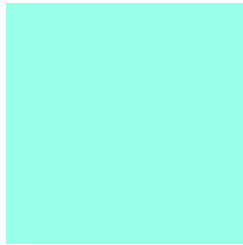
11.2843, 0.6009, 0.3084



1.1144, 0.5701, 0.2914

Previews

White Background



This preview shows how the Yxy color 84.1185, 0.2680, 0.3552 looks on a white background.

Color Contrast Check

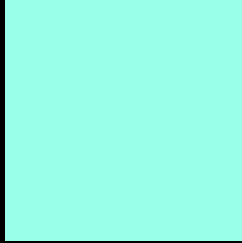
Large Text (above 18pt) WCAG AA × Fail

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 84.1185, 0.2680, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

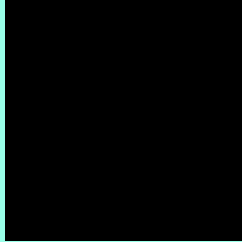
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

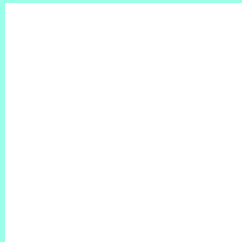
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1185, 0.2680, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 84.1185, 0.2680, 0.3552.

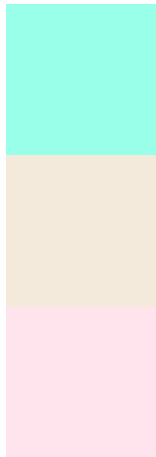


This preview shows how white text looks on a background with the Yxy color 84.1185, 0.2680, 0.3552.

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

84.1185, 0.2680, 0.3552

Protanopia

83.0676, 0.3278, 0.3433

Deuteranopia

82.9199, 0.3250, 0.3192



Tritanopia

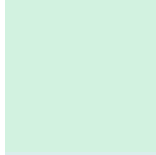
83.4633, 0.2790, 0.3162

Trichromacy



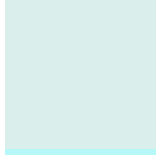
Original Color

84.1185, 0.2680, 0.3552



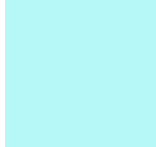
Protanomaly

82.5877, 0.3028, 0.3484



Deuteranomaly

82.1106, 0.3009, 0.3311



Tritanomaly

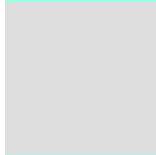
83.1820, 0.2742, 0.3289

Monochromacy



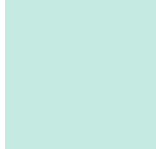
Original Color

84.1185, 0.2680, 0.3552



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2069, 0.2934, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1185, 0.2680, 0.3552 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(153, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 232)  
}
```

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(153, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 84.1185, 0.2680, 0.3552 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(153, 255, 232) }
```

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

```
.border{ border-color:rgb(153, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1185, 0.2680, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 232) }
```

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

```
.background{ background-color: rgb(153,  
255, 232) }
```

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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