

Converting Colors

$Y_{xy}(103.7554, 0.2858, 0.3781)$

Have a look what the booklet for
Yxy(103.7554, 0.2858, 0.3781)
contains.

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Color

Yxy(87.6605, 0.2841, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFE8
RGB	185, 255, 232
RGB Percent	73%, 100%, 91%
CMY	0.2746, 0.0000, 0.0901
CMYK	0.27, 0.00, 0.09, 0.00
HSL	160°, 100%, 86%
HSV	160°, 27%, 100%
XYZ	70.3314, 87.6605, 89.5667
YIQ	231.4480, -34.3370, -21.9930

Conversions

Conversions Part 2

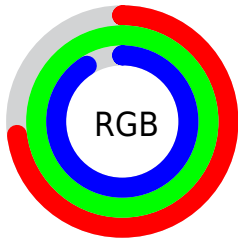
Format	Color
R_{YB}	185, 227, 255
Decimal	12189672
CIE _{Lab}	95.02, -26.28, 4.01
CIE _{LCh}	95, 26.585, 171.314
Yxy	87.6605, 0.2841, 0.3541
Android (android.graphics.Color)	4290379752 (0xFFB9FFE8)
YUV	231.4480, 0.2721, -40.7349
Hunter-Lab	93.6272, -29.7609, 8.8204

Details

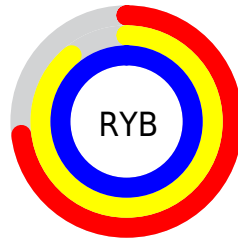
The Yxy color **87.6605, 0.2841, 0.3541** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5043, 0.3532, 0.3054**, and the grayscale version is **80.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.2686, 0.2780, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **84.3031, 0.2751, 0.3649**, and if you desaturate by 10%, it is **91.6072, 0.2940, 0.3442**.

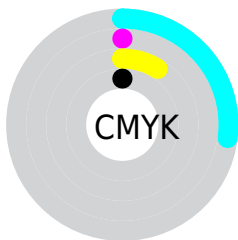
Distribution



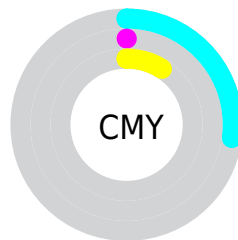
- Red (73%)
- Green (100%)
- Blue (91%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6605, 0.2841, 0.3541 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 87.6605, 0.2841, 0.3541 by changing the saturation by 10% instead.

 87.6605, 0.2841,
0.3541

 87.6605, 0.2841,
0.3541

520.3908, 0.2970,
0.3427

 66.0419, 0.2812,
0.3567


 144.0844, 0.2885,
0.3502

 48.3064, 0.2778,
0.3598


179.6585, 0.2902,
0.3486

 34.0696, 0.2734,
0.3637


220.6533, 0.2917,
0.3473

 22.9471, 0.2678,
0.3688

267.4532, 0.2930,
0.3462

 14.5544, 0.2604,
0.3757

320.4424, 0.2942,
0.3451

 8.5073, 0.2500,
0.3853

380.0055, 0.2952,

 4.4212, 0.2346,

0.3442

0.4000

446.5269, 0.2961,
0.3434

1.9119, 0.2094,
0.4247

0.5555, 0.0000,
0.6315

87.6605, 0.2841,
0.3541

87.6605, 0.2841,
0.3541

84.3031, 0.2751,
0.3649

91.6072, 0.2940,
0.3442

81.5074, 0.2673,
0.3764

96.1747, 0.3046,
0.3351

79.2388, 0.2611,
0.3885

100.0000, 0.3127,
0.3290

77.4600, 0.2567,
0.4011

■ 76.1288, 0.2543,
0.4139

■ 75.1954, 0.2540,
0.4266

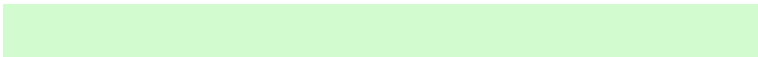
■ 74.5950, 0.2556,
0.4391

■ 74.4712, 0.2562,
0.4423

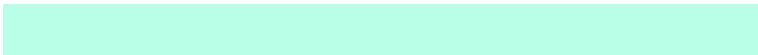
Harmonies

Analogous

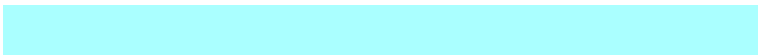
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6605, 0.3127, 0.3758



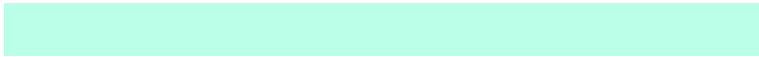
87.6605, 0.2841, 0.3541



87.6605, 0.2637, 0.3255

Triad

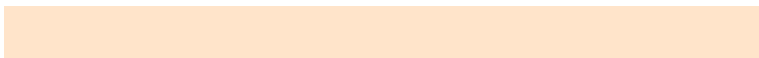
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6605, 0.2841, 0.3541



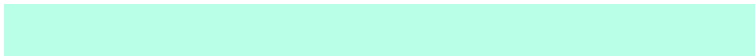
87.6605, 0.2821, 0.2795



87.6605, 0.3728, 0.3540

Complementary

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



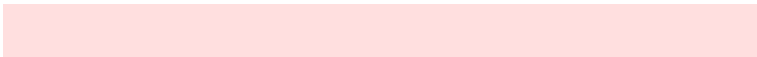
87.6605, 0.2841, 0.3541



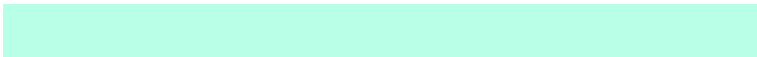
60.5043, 0.3532, 0.3054

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.



87.6605, 0.3640, 0.3292



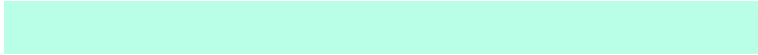
87.6605, 0.2841, 0.3541



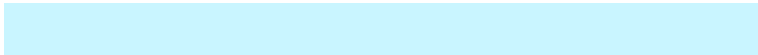
87.6605, 0.3105, 0.2876

Square

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



87.6605, 0.2841, 0.3541



87.6605, 0.2626, 0.2834



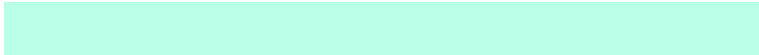
87.6605, 0.3408, 0.3054



87.6605, 0.3645, 0.3740

Rectangle

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



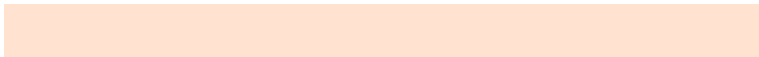
87.6605, 0.2841, 0.3541



87.6605, 0.2571, 0.3074



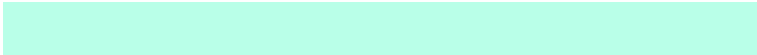
87.6605, 0.3408, 0.3054



87.6605, 0.3717, 0.3460

Sweetspot

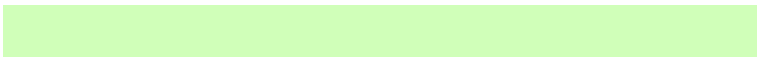
The Sweet Spot groups the original color and five complimentary colors.



87.6595, 0.2841, 0.3541



95.9103, 0.3040, 0.3356



88.4790, 0.3234, 0.4052



20.3741, 0.3024, 0.3369



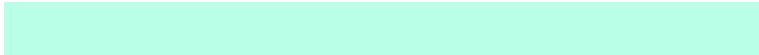
0.0000, 0.0000, 0.0000



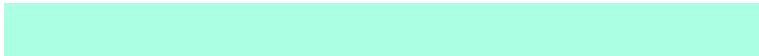
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6595, 0.2841, 0.3541



85.7278, 0.2790, 0.3600



81.8318, 0.2713, 0.3163



20.3741, 0.3024, 0.3369



38.9415, 0.2556, 0.4402



3.8118, 0.2517, 0.4259

Inverse Universe

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



60.5043, 0.3532, 0.3054



54.4284, 0.3644, 0.3004



64.5378, 0.3696, 0.3413



18.0854, 0.3242, 0.3212



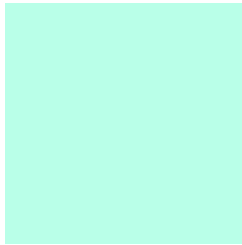
11.4653, 0.5666, 0.2895



1.1355, 0.5347, 0.2719

Previews

White Background



This preview shows how the Yxy color 87.6605, 0.2841, 0.3541 looks on a white background.

Color Contrast Check

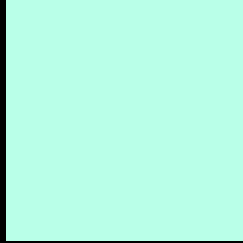
Large Text (above 18pt) WCAG AA × Fail

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 87.6605, 0.2841, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

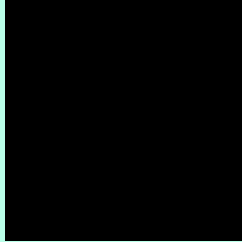
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6605, 0.2841, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 87.6605, 0.2841, 0.3541.

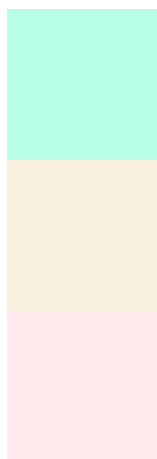


This preview shows how white text looks on a background with the Yxy color 87.6605, 0.2841, 0.3541.

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

87.6605, 0.2841, 0.3541

Protanopia

87.0172, 0.3288, 0.3451

Deuteranopia

86.8497, 0.3243, 0.3261



Tritanopia

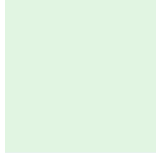
87.4302, 0.2902, 0.3187

Trichromacy



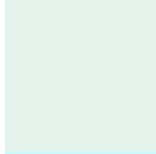
Original Color

87.6605, 0.2841, 0.3541



Protanomaly

86.8034, 0.3111, 0.3488



Deuteranomaly

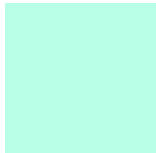
86.3834, 0.3085, 0.3351



Tritanomaly

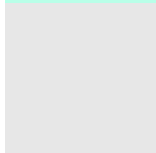
87.5886, 0.2877, 0.3310

Monochromacy



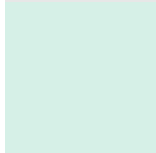
Original Color

87.6605, 0.2841, 0.3541



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3858, 0.3013, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6605, 0.2841, 0.3541 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 87.6605, 0.2841, 0.3541 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, 232) }
```

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

```
.border{ border-color:rgb(185, 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(185, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6605, 0.2841, 0.3541 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, 232) }
```

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

```
.background{ background-color: rgb(185,  
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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