

Converting Colors

$Y_{xy}(100.0000, 0.2543, 0.3085)$

Have a look what the booklet for
Yxy(100.0000, 0.2543, 0.3085)
contains.

Yxy(87.8540, 0.2676, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8540, 0.2676, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFFFFF
RGB	175, 255, 255
RGB Percent	69%, 100%, 100%
CMY	0.3139, 0.0000, 0.0001
CMYK	0.31, 0.00, 0.00, 0.00
HSL	180°, 100%, 84%
HSV	180°, 31%, 100%
XYZ	71.4799, 87.8540, 107.7808
YIQ	231.0800, -47.6800, -16.9600

Conversions

Conversions Part 2

Format	Color
R_{YB}	175, 215, 255
Decimal	11534335
CIE _{Lab}	95.10, -24.18, -7.77
CIE _{LCh}	95, 25.402, 197.816
Yxy	87.8540, 0.2676, 0.3289
Android (android.graphics.Color)	4289724415 (0xFFAFFFFF)
YUV	231.0800, 11.7926, -49.1822
Hunter-Lab	93.7305, -27.9023, -2.5663

Details

The Yxy color **87.8540, 0.2676, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.0001, 0.3849, 0.3292**, and the grayscale version is **79.9000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **48.3873, 0.2582, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **85.1716, 0.2559, 0.3289**, and if you desaturate by 10%, it is **91.0824, 0.2808, 0.3289**.

Distribution



- Red (69%)
- Green (100%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8540, 0.2676, 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 87.8540, 0.2676, 0.3289 by changing the saturation by 10% instead.

 87.8540, 0.2676,
0.3289

 87.8540, 0.2676,
0.3289

521.0250, 0.2875,
0.3293

 66.2022, 0.2633,
0.3287

 144.3539, 0.2743,
0.3291

 48.4365, 0.2580,
0.3285


179.9707, 0.2770,
0.3292

 34.1727, 0.2516,
0.3282

221.0113, 0.2793,
0.3292

 23.0263, 0.2434,
0.3276

267.8601, 0.2814,
0.3292

 14.6129, 0.2327,
0.3268

320.9015, 0.2832,
0.3293

 8.5482, 0.2181,
0.3253

380.5198, 0.2848,

 4.4477, 0.1974,

0.3293

447.0995, 0.2862,
0.3293

0.3226

1.9270, 0.1657,
0.3167

0.5645, 0.0000,
0.3252

87.8540, 0.2676,
0.3289

87.8540, 0.2676,
0.3289

85.1716, 0.2559,
0.3289

91.0824, 0.2808,
0.3289

83.0204, 0.2460,
0.3288

94.9024, 0.2952,
0.3290

81.3602, 0.2380,
0.3288

99.3353, 0.3105,
0.3290

80.1523, 0.2320,
0.3288

100.0000, 0.3127,
0.3290

■ 79.3523, 0.2279,
0.3288

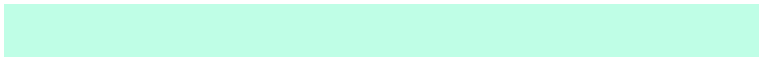
■ 78.9067, 0.2256,
0.3288

■ 78.7362, 0.2247,
0.3288

Harmonies

Analogous

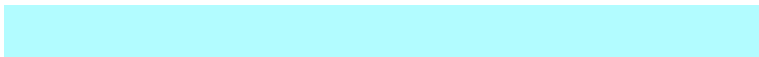
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8540, 0.2883, 0.3559



87.8540, 0.2676, 0.3289



87.8540, 0.2587, 0.3035

Triad

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



87.8540, 0.2676, 0.3289



87.8540, 0.3072, 0.2879



87.8540, 0.3639, 0.3703

Complementary

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



87.8540, 0.2676, 0.3289



55.0001, 0.3849, 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.



87.8540, 0.3699, 0.3504



87.8540, 0.2676, 0.3289



87.8540, 0.3363, 0.3040

Square

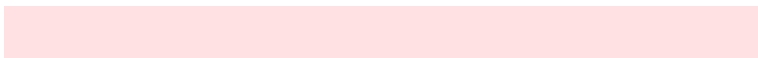
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8540, 0.2676, 0.3289



87.8540, 0.2808, 0.2815



87.8540, 0.3597, 0.3264



87.8540, 0.3439, 0.3800

Rectangle

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



87.8540, 0.2676, 0.3289



87.8540, 0.2604, 0.2911



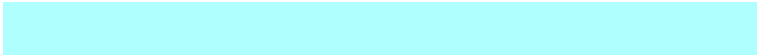
87.8540, 0.3597, 0.3264



87.8540, 0.3677, 0.3645

Sweetspot

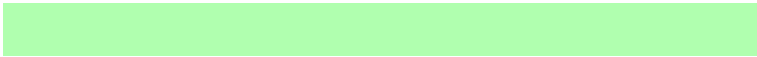
The Sweet Spot groups the original color and five complimentary colors.



87.8485, 0.2676, 0.3289



95.9038, 0.2988, 0.3290



83.8785, 0.3091, 0.4219



20.3958, 0.2966, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

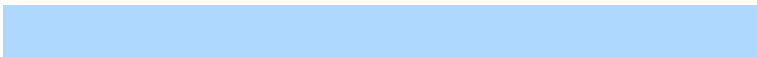
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8485, 0.2676, 0.3289



86.0178, 0.2597, 0.3289



65.6033, 0.2624, 0.2852



20.4814, 0.2980, 0.3290



41.1414, 0.2247, 0.3288



4.0058, 0.2247, 0.3288

Inverse Universe

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



55.0001, 0.3849, 0.3292



48.2207, 0.4074, 0.3293



72.2687, 0.3724, 0.3690



17.9872, 0.3295, 0.3290



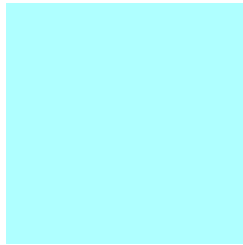
11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 87.8540, 0.2676, 0.3289 looks on a white background.

Color Contrast Check

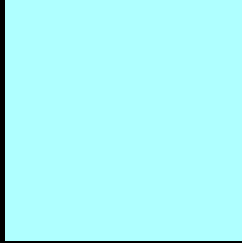
Large Text (above 18pt) WCAG AA × Fail

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 87.8540, 0.2676, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

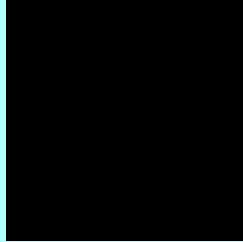
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8540, 0.2676, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 87.8540, 0.2676, 0.3289.

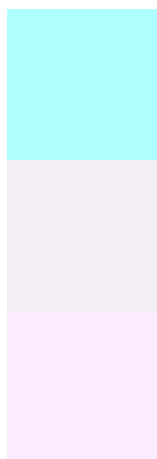


This preview shows how white text looks on a background with the Yxy color 87.8540, 0.2676, 0.3289.

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

87.8540, 0.2676, 0.3289

Protanopia

87.3803, 0.3117, 0.3230

Deuteranopia

87.1459, 0.3110, 0.3096



Tritanopia

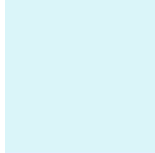
87.7305, 0.2891, 0.3197

Trichromacy



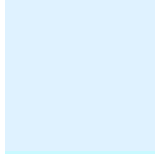
Original Color

87.8540, 0.2676, 0.3289



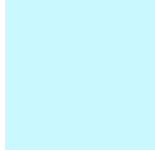
Protanomaly

87.0498, 0.2935, 0.3248



Deuteranomaly

86.4122, 0.2931, 0.3157



Tritanomaly

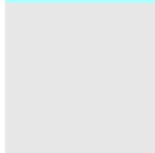
87.3889, 0.2806, 0.3226

Monochromacy



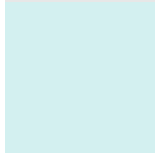
Original Color

87.8540, 0.2676, 0.3289



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4603, 0.2942, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8540, 0.2676, 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(175, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.8540, 0.2676, 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(175, 255, 255) }
```

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

```
.border{ border-color:rgb(175, 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(175, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8540, 0.2676, 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(175, 255, 255) }
```

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

```
.background{ background-color: rgb(175,  
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