

Converting Colors

Yxy(87.5325, 0.2676, 0.3309)

Have a look what the booklet for
Yxy(87.5325, 0.2676, 0.3309)
contains.

Yxy(87.4961, 0.2676, 0.3310)	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(87.4961, 0.2676, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFFD
RGB	173, 255, 253
RGB Percent	68%, 100%, 99%
CMY	0.3213, 0.0000, 0.0078
CMYK	0.32, 0.00, 0.01, 0.00
HSL	179°, 100%, 84%
HSV	179°, 32%, 100%
XYZ	70.7370, 87.4961, 106.1055
YIQ	230.2540, -48.2300, -18.0060

Conversions

Conversions Part 2

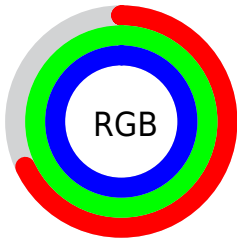
Format	Color
RYB	173, 215, 255
Decimal	11403261
CIELab	94.95, -25.11, -6.99
CIELCh	95, 26.069, 195.564
Yxy	87.4961, 0.2676, 0.3310
Android (android.graphics.Color)	4289593341 (0xFFADFFFD)
YUV	230.2540, 11.2138, -50.2118
Hunter-Lab	93.5394, -28.7073, -1.7775

Details

The Yxy color **87.4961, 0.2676, 0.3310** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2697, 0.3854, 0.3271**, and the grayscale version is **79.2843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **48.1556, 0.2582, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **84.8243, 0.2563, 0.3317**, and if you desaturate by 10%, it is **90.7298, 0.2804, 0.3303**.

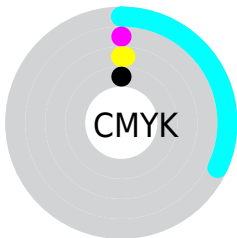
Distribution



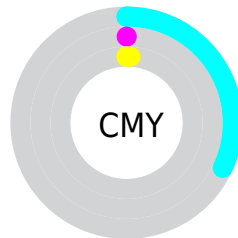
- Red (68%)
- Green (100%)
- Blue (99%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4961, 0.2676, 0.3310 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 87.4961, 0.2676, 0.3310 by changing the saturation by 10% instead.


 87.4961, 0.2676,
0.3310

 87.4961, 0.2676,
0.3310


519.8517, 0.2875,
0.3304

 65.9058, 0.2633,
0.3311

 143.8554, 0.2743,
0.3309

 48.1960, 0.2580,
0.3311

179.3933, 0.2770,
0.3308

 33.9821, 0.2515,
0.3311


220.3491, 0.2793,
0.3307

 22.8798, 0.2433,
0.3310

267.1073, 0.2814,
0.3307

 14.5048, 0.2325,
0.3307

320.0522, 0.2832,
0.3306

 8.4726, 0.2179,
0.3300

379.5683, 0.2848,

 4.3988, 0.1969,

0.3305

446.0400, 0.2862,
0.3305

0.3284

1.8991, 0.1648,
0.3243

0.5478, 0.0000,
0.3344

87.4961, 0.2676,
0.3310

87.4961, 0.2676,
0.3310

84.8243, 0.2563,
0.3317

90.7298, 0.2804,
0.3303

82.6722, 0.2467,
0.3325


94.5440, 0.2945,
0.3297

81.0086, 0.2389,
0.3333


98.9694, 0.3094,
0.3291

79.7944, 0.2332,
0.3340

99.9939, 0.3127,
0.3290

 78.9845, 0.2294,
0.3348

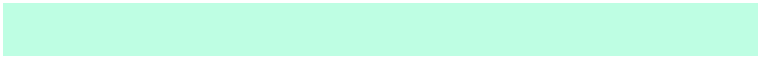
 78.5246, 0.2274,
0.3356

 78.3449, 0.2267,
0.3362

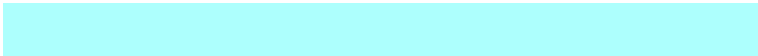
Harmonies

Analogous

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



87.4961, 0.2896, 0.3585



87.4961, 0.2676, 0.3310



87.4961, 0.2575, 0.3045

Triad

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



87.4961, 0.2676, 0.3310



87.4961, 0.3048, 0.2860



87.4961, 0.3663, 0.3701

Complementary

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



87.4961, 0.2676, 0.3310



54.2697, 0.3854, 0.3271

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.



87.4961, 0.3713, 0.3491



87.4961, 0.2676, 0.3310



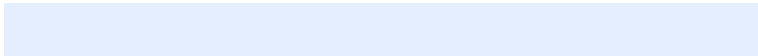
87.4961, 0.3348, 0.3019

Square

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



87.4961, 0.2676, 0.3310



87.4961, 0.2782, 0.2802



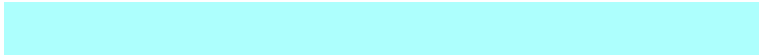
87.4961, 0.3596, 0.3245



87.4961, 0.3467, 0.3812

Rectangle

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



87.4961, 0.2676, 0.3310



87.4961, 0.2585, 0.2912



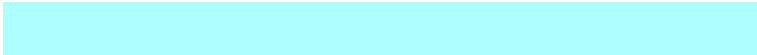
87.4961, 0.3596, 0.3245



87.4961, 0.3698, 0.3639

Sweetspot

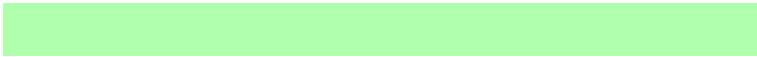
The Sweet Spot groups the original color and five complimentary colors.



87.4996, 0.2676, 0.3310



95.4410, 0.2976, 0.3296



83.7409, 0.3098, 0.4242



20.3019, 0.2955, 0.3296



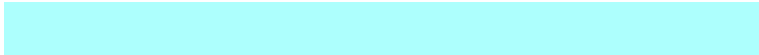
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.4996, 0.2676, 0.3310



85.6101, 0.2596, 0.3315



65.6149, 0.2614, 0.2856



20.4735, 0.2983, 0.3295



40.9438, 0.2267, 0.3361



3.9889, 0.2264, 0.3352

Inverse Universe

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



54.2697, 0.3854, 0.3271



47.3527, 0.4087, 0.3268



71.0162, 0.3745, 0.3686



17.9941, 0.3291, 0.3285



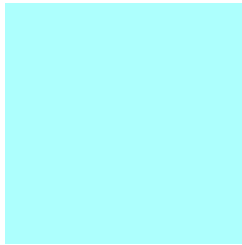
11.1189, 0.6376, 0.3286



1.0850, 0.6319, 0.3254

Previews

White Background



This preview shows how the Yxy color 87.4961, 0.2676, 0.3310 looks on a white background.

Color Contrast Check

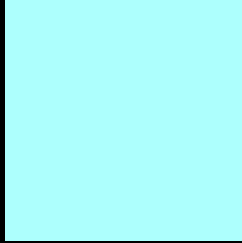
Large Text (above 18pt) WCAG AA × Fail

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 87.4961, 0.2676, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

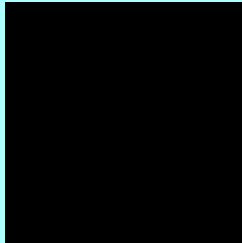
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4961, 0.2676, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 87.4961, 0.2676, 0.3310.

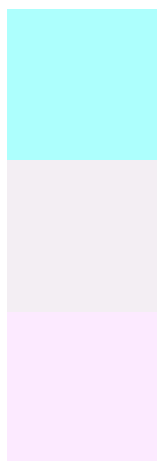


This preview shows how white text looks on a background with the Yxy color 87.4961, 0.2676, 0.3310.

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

87.4961, 0.2676, 0.3310

Protanopia

86.6748, 0.3129, 0.3240

Deuteranopia

86.7611, 0.3117, 0.3086



Tritanopia

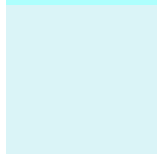
86.8210, 0.2878, 0.3186

Trichromacy



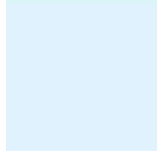
Original Color

87.4961, 0.2676, 0.3310



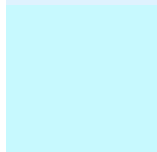
Protanomaly

86.3222, 0.2946, 0.3258



Deuteranomaly

86.3480, 0.2937, 0.3167



Tritanomaly

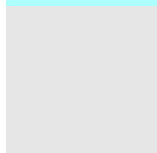
87.0492, 0.2800, 0.3236

Monochromacy



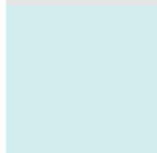
Original Color

87.4961, 0.2676, 0.3310



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4614, 0.2941, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4961, 0.2676, 0.3310 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(173, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 253)  
}
```

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(173, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.4961, 0.2676, 0.3310 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(173, 255, 253) }
```

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

```
.border{ border-color:rgb(173, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 255, 253); box-shadow:4px 4px 4px 4px rgb(173, 255, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4961, 0.2676, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 253) }
```

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

```
.background{ background-color: rgb(173,  
255, 253) }
```

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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