

Converting Colors

$Y_{xy}(100.0000, 0.2724, 0.3543)$

Have a look what the booklet for
Yxy(100.0000, 0.2724, 0.3543)
contains.

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Color

Yxy(87.5361, 0.2700, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFFA
RGB	175, 255, 250
RGB Percent	69%, 100%, 98%
CMY	0.3136, 0.0000, 0.0196
CMYK	0.31, 0.00, 0.02, 0.00
HSL	176°, 100%, 84%
HSV	176°, 31%, 100%
XYZ	70.6992, 87.5361, 103.6136
YIQ	230.5100, -46.0750, -18.5150

Conversions

Conversions Part 2

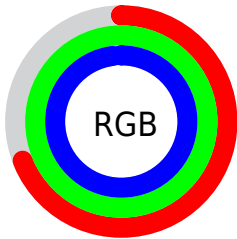
Format	Color
RYB	175, 216, 255
Decimal	11534330
CIELab	94.97, -25.27, -5.40
CIELCh	95, 25.837, 192.065
Yxy	87.5361, 0.2700, 0.3343
Android (android.graphics.Color)	4289724410 (0xFFAFFFA)
YUV	230.5100, 9.6086, -48.6823
Hunter-Lab	93.5607, -28.8477, -0.1681

Details

The Yxy color **87.5361, 0.2700, 0.3343** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2281, 0.3802, 0.3240**, and the grayscale version is **79.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **48.2051, 0.2605, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **84.7622, 0.2589, 0.3362**, and if you desaturate by 10%, it is **90.8750, 0.2825, 0.3325**.

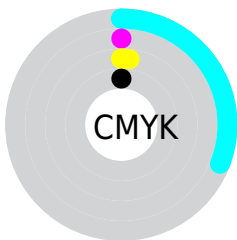
Distribution



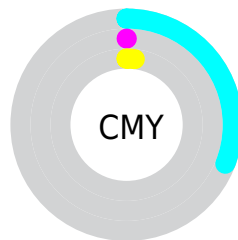
- Red (69%)
- Green (100%)
- Blue (98%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5361, 0.2700, 0.3343 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 87.5361, 0.2700, 0.3343 by changing the saturation by 10% instead.

 87.5361, 0.2700,
0.3343

 87.5361, 0.2700,
0.3343


519.9829, 0.2889,
0.3322

 65.9389, 0.2659,
0.3347

 143.9111, 0.2764,
0.3336

 48.2228, 0.2609,
0.3352


179.4578, 0.2789,
0.3334

 34.0034, 0.2547,
0.3357


220.4231, 0.2811,
0.3331

 22.8962, 0.2468,
0.3363

267.1914, 0.2831,
0.3329

 14.5169, 0.2365,
0.3370

320.1472, 0.2848,
0.3327

 8.4810, 0.2225,
0.3377

379.6747, 0.2863,

 4.4043, 0.2023,

0.3325

0.3383

446.1585, 0.2877,
0.3323

1.9022, 0.1711,
0.3378

0.5497, 0.0000,
0.3603

87.5361, 0.2700,
0.3343

87.5361, 0.2700,
0.3343

84.7622, 0.2589,
0.3362

90.8750, 0.2825,
0.3325

82.5113, 0.2494,
0.3383

94.7974, 0.2962,
0.3308

80.7523, 0.2418,
0.3404

99.3337, 0.3107,
0.3292

79.4467, 0.2362,
0.3425

99.9998, 0.3127,
0.3290

■ 78.5499, 0.2325,
0.3446

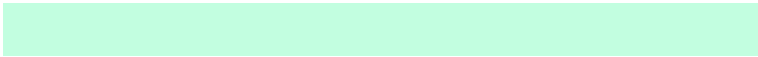
■ 78.0084, 0.2306,
0.3467

■ 77.7558, 0.2301,
0.3485

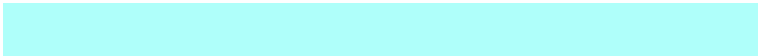
Harmonies

Analogous

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



87.5361, 0.2929, 0.3610



87.5361, 0.2700, 0.3343



87.5361, 0.2585, 0.3074

Triad

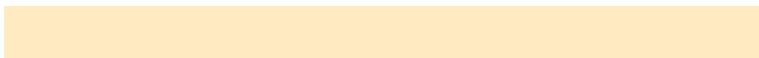
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5361, 0.2700, 0.3343



87.5361, 0.3015, 0.2851



87.5361, 0.3672, 0.3677

Complementary

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



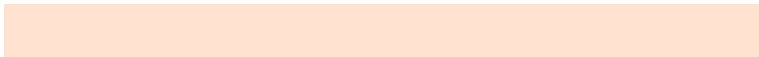
87.5361, 0.2700, 0.3343



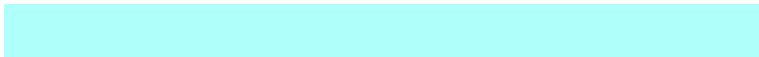
55.2281, 0.3802, 0.3240

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.



87.5361, 0.3702, 0.3462



87.5361, 0.2700, 0.3343



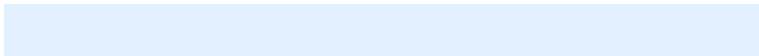
87.5361, 0.3312, 0.2998

Square

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



87.5361, 0.2700, 0.3343



87.5361, 0.2759, 0.2807



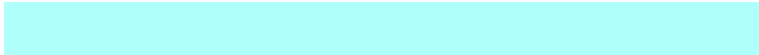
87.5361, 0.3568, 0.3217



87.5361, 0.3492, 0.3802

Rectangle

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



87.5361, 0.2700, 0.3343



87.5361, 0.2583, 0.2935



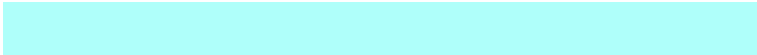
87.5361, 0.3568, 0.3217



87.5361, 0.3701, 0.3612

Sweetspot

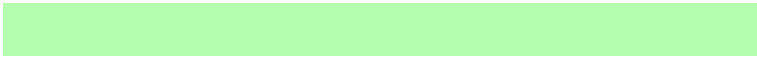
The Sweet Spot groups the original color and five complimentary colors.



87.5396, 0.2700, 0.3343



95.8122, 0.2996, 0.3304



84.3629, 0.3115, 0.4211



20.3730, 0.2975, 0.3306



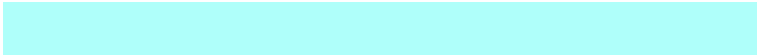
0.0000, 0.0000, 0.0000



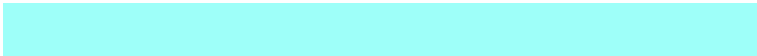
21.4041, 0.3127, 0.3290

Same Dimension

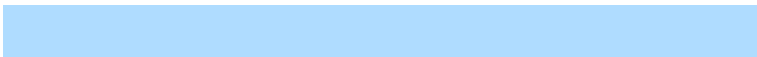
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5396, 0.2700, 0.3343



85.6354, 0.2624, 0.3356



67.7059, 0.2630, 0.2899



20.4607, 0.2988, 0.3305



40.6376, 0.2300, 0.3481



3.9624, 0.2294, 0.3458

Inverse Universe

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



55.2281, 0.3802, 0.3240



48.4338, 0.4013, 0.3229



70.2935, 0.3736, 0.3650



18.0055, 0.3285, 0.3276



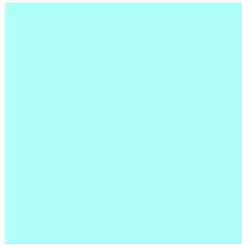
11.1352, 0.6337, 0.3265



1.0904, 0.6193, 0.3185

Previews

White Background



This preview shows how the Yxy color 87.5361, 0.2700, 0.3343 looks on a white background.

Color Contrast Check

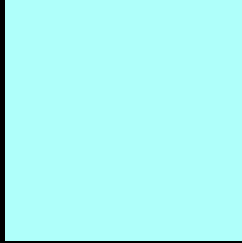
Large Text (above 18pt) WCAG AA × Fail

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 87.5361, 0.2700, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

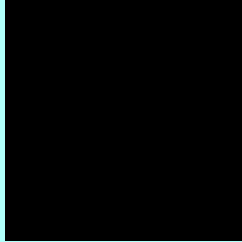
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

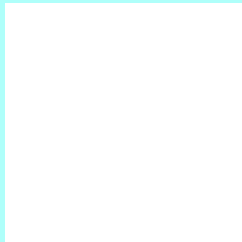
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5361, 0.2700, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 87.5361, 0.2700, 0.3343.

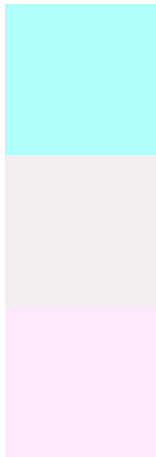


This preview shows how white text looks on a background with the Yxy color 87.5361, 0.2700, 0.3343.

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

87.5361, 0.2700, 0.3343

Protanopia

86.4950, 0.3148, 0.3270

Deuteranopia

86.6936, 0.3143, 0.3087



Tritanopia

86.9719, 0.2884, 0.3186

Trichromacy



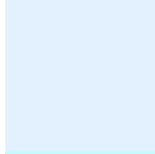
Original Color

87.5361, 0.2700, 0.3343



Protanomaly

86.1384, 0.2963, 0.3290



Deuteranomaly

86.1712, 0.2961, 0.3168



Tritanomaly

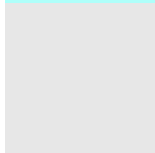
87.1226, 0.2811, 0.3247

Monochromacy



Original Color

87.5361, 0.2700, 0.3343



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3421, 0.2954, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5361, 0.2700, 0.3343 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.5361, 0.2700, 0.3343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

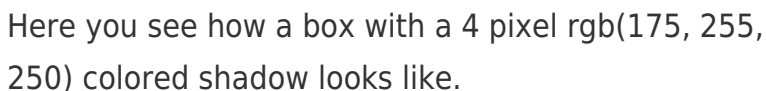
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 255, 250) }
```

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

```
.border{ border-color:rgb(175, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5361, 0.2700, 0.3343 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, 250) }
```

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

```
.background{ background-color: rgb(175,  
255, 250) }
```

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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