

Converting Colors

$Yxy(83.4437, 0.2584, 0.3297)$

Have a look what the booklet for
Yxy(83.4437, 0.2584, 0.3297)
contains.

Yxy(83.3581, 0.2587, 0.3300)	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(83.3581, 0.2587, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	99FCFB
RGB	153, 252, 251
RGB Percent	60%, 99%, 98%
CMY	0.4002, 0.0117, 0.0158
CMYK	0.39, 0.00, 0.00, 0.01
HSL	179°, 94%, 79%
HSV	179°, 39%, 99%
XYZ	65.3477, 83.3581, 103.8945
YIQ	222.2850, -58.6830, -21.2990

Conversions

Conversions Part 2

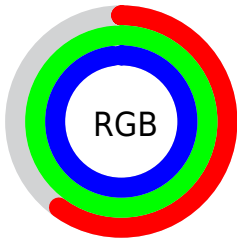
Format	Color
RYB	153, 203, 252
Decimal	10091771
CIELab	93.17, -29.26, -8.67
CIELCh	93, 30.522, 196.506
Yxy	83.3581, 0.2587, 0.3300
Android (android.graphics.Color)	4288281851 (0xFF99FCFB)
YUV	222.2850, 14.1565, -60.7629
Hunter-Lab	91.3007, -32.0162, -3.5579

Details

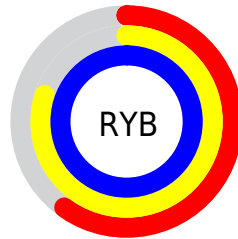
The Yxy color **83.3581, 0.2587, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7927, 0.4111, 0.3282**, and the grayscale version is **73.1790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.4032, 0.2468, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **81.1473, 0.2485, 0.3303**, and if you desaturate by 10%, it is **86.0932, 0.2706, 0.3297**.

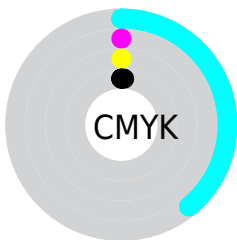
Distribution



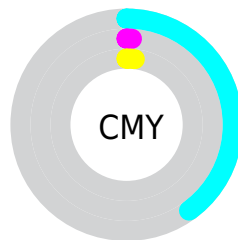
- Red (60%)
- Green (99%)
- Blue (98%)



- Red (60%)
- Yellow (80%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (40%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3581, 0.2587, 0.3300 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 83.3581, 0.2587, 0.3300 by changing the saturation by 10% instead.


 83.3581, 0.2587,
0.3300


 83.3581, 0.2587,
0.3300

506.1792, 0.2827,
0.3300

 62.4856, 0.2535,
0.3299


 138.0769, 0.2668,
0.3301

 45.4252, 0.2471,
0.3297


 172.6920, 0.2700,
0.3301

 31.7925, 0.2392,
0.3294


212.6567, 0.2728,
0.3301

 21.2030, 0.2292,
0.3288

258.3556, 0.2753,
0.3301

 13.2725, 0.2162,
0.3279

310.1728, 0.2775,
0.3301

 7.6165, 0.1984,
0.3261


368.4929, 0.2794,


 3.8505, 0.1731,


0.3301


0.3224


433.7002, 0.2811,
0.3301


 1.5903, 0.1329,
0.3148


 0.3510, 0.0000,
0.2620


 83.3581, 0.2587,
0.3300


 83.3581, 0.2587,
0.3300


 81.1473, 0.2485,
0.3303


 86.0932, 0.2706,
0.3297

 79.4180, 0.2401,
0.3306

 89.3729, 0.2839,
0.3294

 78.1370, 0.2338,
0.3310

 93.2280, 0.2984,
0.3292

 77.2624, 0.2293,
0.3313

 97.6844, 0.3138,
0.3290

76.7444, 0.2267,
0.3316

97.9386, 0.3144,
0.3287

76.5070, 0.2256,
0.3319

97.9554, 0.3143,
0.3285

76.4947, 0.2256,
0.3320

97.9722, 0.3141,
0.3282

97.9890, 0.3140,
0.3280

98.0058, 0.3138,
0.3277

Harmonies

Analogous

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



83.3581, 0.2841, 0.3634



83.3581, 0.2587, 0.3300



83.3581, 0.2475, 0.2986

Triad

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



83.3581, 0.2587, 0.3300



83.3581, 0.3042, 0.2788



83.3581, 0.3759, 0.3781

Complementary

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



83.3581, 0.2587, 0.3300



45.7927, 0.4111, 0.3282

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.



83.3581, 0.3827, 0.3532



83.3581, 0.2587, 0.3300



83.3581, 0.3399, 0.2977

Square

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



83.3581, 0.2587, 0.3300



83.3581, 0.2725, 0.2715



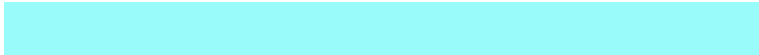
83.3581, 0.3693, 0.3242



83.3581, 0.3519, 0.3914

Rectangle

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



83.3581, 0.2587, 0.3300



83.3581, 0.2490, 0.2834



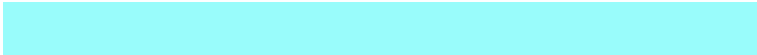
83.3581, 0.3693, 0.3242



83.3581, 0.3804, 0.3707

Sweetspot

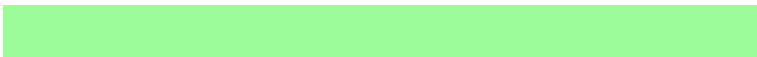
The Sweet Spot groups the original color and five complimentary colors.



83.3614, 0.2587, 0.3300



94.6307, 0.2944, 0.3293



78.8571, 0.3080, 0.4497



20.1413, 0.2925, 0.3293



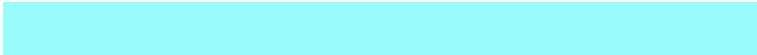
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.3614, 0.2587, 0.3300



83.8228, 0.2507, 0.3302



57.0423, 0.2495, 0.2720



19.6053, 0.2982, 0.3292



39.8424, 0.2255, 0.3319



3.6911, 0.2254, 0.3315

Inverse Universe

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



45.7927, 0.4111, 0.3282



40.4189, 0.4416, 0.3281



64.6885, 0.3914, 0.3794



17.2282, 0.3293, 0.3288



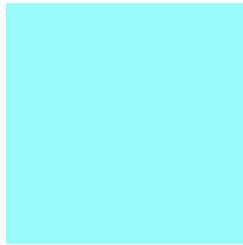
10.7848, 0.6390, 0.3294



0.9999, 0.6363, 0.3279

Previews

White Background



This preview shows how the Yxy color 83.3581, 0.2587, 0.3300 looks on a white background.

Color Contrast Check

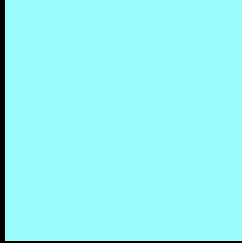
Large Text (above 18pt) WCAG AA × Fail

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 83.3581, 0.2587, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

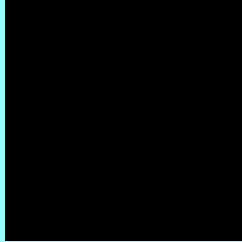
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3581, 0.2587, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.3581, 0.2587, 0.3300.

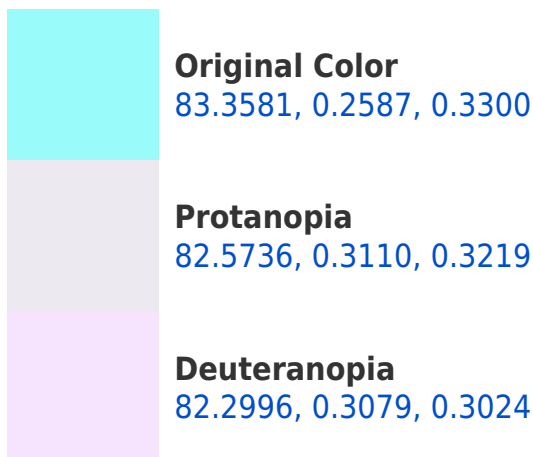


This preview shows how white text looks on a background with the Yxy color 83.3581, 0.2587, 0.3300.

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





Tritanopia

82.9233, 0.2768, 0.3161

Trichromacy



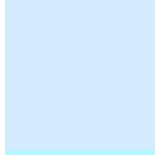
Original Color

83.3581, 0.2587, 0.3300



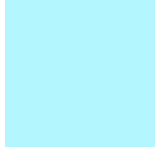
Protanomaly

81.9736, 0.2889, 0.3247



Deuteranomaly

81.7212, 0.2868, 0.3112



Tritanomaly

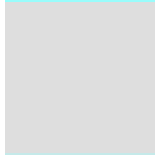
82.7706, 0.2695, 0.3202

Monochromacy



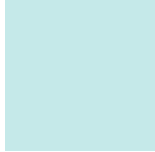
Original Color

83.3581, 0.2587, 0.3300



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.0313, 0.2893, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3581, 0.2587, 0.3300 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, 252, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 251)  
}
```

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, 252, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.3581, 0.2587, 0.3300 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, 252, 251) }
```

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

```
.border{ border-color:rgb(153, 252, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 252, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 252, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 252, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 252,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3581, 0.2587, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 251) }
```

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

```
.background{ background-color: rgb(153,  
252, 251) }
```

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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