

Converting Colors

$Y_{xy}(100.0000, 0.2549, 0.3626)$

Have a look what the booklet for
Yxy(100.0000, 0.2549, 0.3626)
contains.

Yxy(82.9487, 0.2500, 0.3357)	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(82.9487, 0.2500, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	80FFF9
RGB	128, 255, 249
RGB Percent	50%, 100%, 98%
CMY	0.4976, 0.0000, 0.0236
CMYK	0.50, 0.00, 0.02, 0.00
HSL	177°, 100%, 75%
HSV	177°, 50%, 100%
XYZ	61.7729, 82.9487, 102.3701
YIQ	216.3430, -73.7660, -28.7900

Conversions

Conversions Part 2

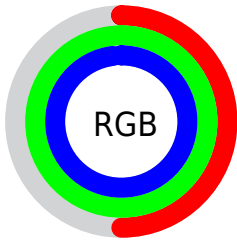
Format	Color
RYB	128, 193, 255
Decimal	8454137
CIELab	92.99, -36.69, -8.01
CIElCh	93, 37.556, 192.319
Yxy	82.9487, 0.2500, 0.3357
Android (android.graphics.Color)	4286644217 (0xFF80FFF9)
YUV	216.3430, 16.0999, -77.4768
Hunter-Lab	91.0762, -38.3147, -2.8890

Details

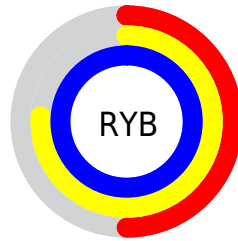
The Yxy color **82.9487, 0.2500, 0.3357** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.4533, 0.4480, 0.3233**, and the grayscale version is **68.8626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **45.2626, 0.2363, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **81.1396, 0.2420, 0.3373**, and if you desaturate by 10%, it is **85.2616, 0.2599, 0.3342**.

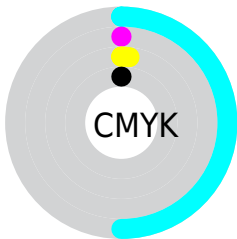
Distribution



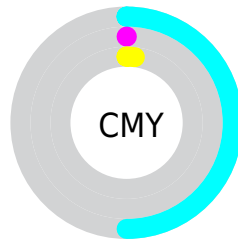
- Red (50%)
- Green (100%)
- Blue (98%)



- Red (50%)
- Yellow (76%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9487, 0.2500, 0.3357 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 82.9487, 0.2500, 0.3357 by changing the saturation by 10% instead.


 82.9487, 0.2500,
0.3357

 82.9487, 0.2500,
0.3357


504.8155, 0.2778,
0.3333


 62.1478, 0.2439,
0.3361


 137.5036, 0.2594,
0.3350

 45.1522, 0.2366,
0.3365


 172.0264, 0.2632,
0.3347

 31.5773, 0.2275,
0.3370


 211.8920, 0.2664,
0.3344

 21.0388, 0.2160,
0.3373

257.4848, 0.2692,
0.3341

 13.1524, 0.2010,
0.3376

309.1892, 0.2718,
0.3339

 7.5336, 0.1808,
0.3373

367.3895, 0.2740,

 3.7980, 0.1523,

0.3337

432.4701, 0.2760,
0.3335

0.3355

1.5612, 0.1005,
0.3330

0.3312, 0.0000,
0.2645

82.9487, 0.2500,
0.3357

82.9487, 0.2500,
0.3357

81.1396, 0.2420,
0.3373

85.2616, 0.2599,
0.3342

79.7867, 0.2359,
0.3388

88.1028, 0.2714,
0.3327

78.8498, 0.2318,
0.3404

91.5062, 0.2843,
0.3314

78.2774, 0.2296,
0.3420

95.5007, 0.2983,
0.3301

■ 77.9871, 0.2288,
0.3435

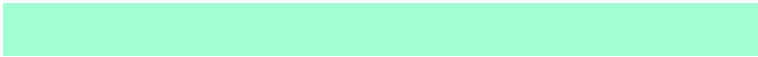
99.9941, 0.3127,
0.3290

■ 77.9813, 0.2288,
0.3436

Harmonies

Analogous

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



82.9487, 0.2826, 0.3771



82.9487, 0.2500, 0.3357



82.9487, 0.2341, 0.2957

Triad

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



82.9487, 0.2500, 0.3357



82.9487, 0.2959, 0.2660



82.9487, 0.3930, 0.3847

Complementary

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



82.9487, 0.2500, 0.3357



38.4533, 0.4480, 0.3233

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.



82.9487, 0.3983, 0.3527



82.9487, 0.2500, 0.3357



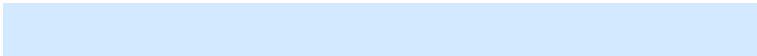
82.9487, 0.3400, 0.2870

Square

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



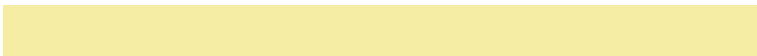
82.9487, 0.2500, 0.3357



82.9487, 0.2591, 0.2591



82.9487, 0.3785, 0.3178



82.9487, 0.3654, 0.4048

Rectangle

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



82.9487, 0.2500, 0.3357



82.9487, 0.2341, 0.2760



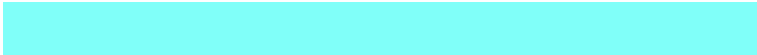
82.9487, 0.3785, 0.3178



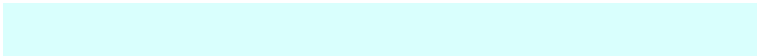
82.9487, 0.3975, 0.3749

Sweetspot

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



82.9519, 0.2500, 0.3357



93.3375, 0.2908, 0.3308



78.1826, 0.3085, 0.4865



19.8014, 0.2879, 0.3310



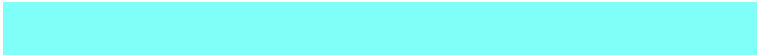
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9519, 0.2500, 0.3357



81.1076, 0.2418, 0.3373



52.1607, 0.2340, 0.2589



20.4658, 0.2986, 0.3301



40.7568, 0.2287, 0.3433



3.9727, 0.2282, 0.3415

Inverse Universe

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



38.4533, 0.4480, 0.3233



31.8719, 0.4938, 0.3227



57.6073, 0.4213, 0.3881



18.0010, 0.3287, 0.3279



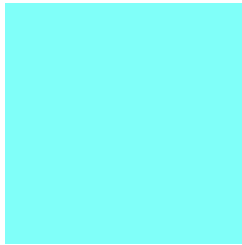
11.1286, 0.6353, 0.3273



1.0882, 0.6242, 0.3212

Previews

White Background



This preview shows how the Yxy color 82.9487, 0.2500, 0.3357 looks on a white background.

Color Contrast Check

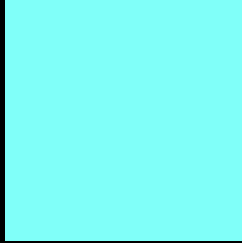
Large Text (above 18pt) WCAG AA × Fail

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 82.9487, 0.2500, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

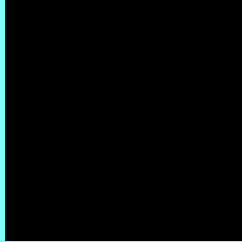
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

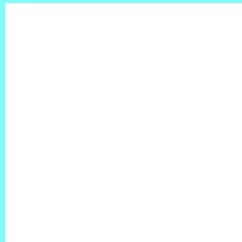
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9487, 0.2500, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 82.9487, 0.2500, 0.3357.

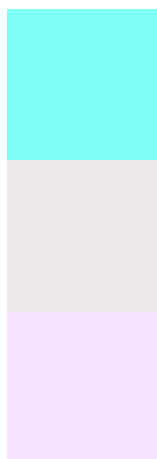


This preview shows how white text looks on a background with the Yxy color 82.9487, 0.2500, 0.3357.

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

82.9487, 0.2500, 0.3357

Protanopia

81.7159, 0.3142, 0.3259

Deuteranopia

81.7510, 0.3079, 0.3014



Tritanopia

82.0126, 0.2729, 0.3160

Trichromacy



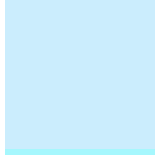
Original Color

82.9487, 0.2500, 0.3357



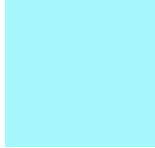
Protanomaly

80.4818, 0.2857, 0.3289



Deuteranomaly

80.3567, 0.2820, 0.3119



Tritanomaly

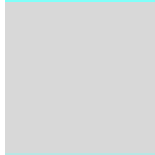
81.7204, 0.2631, 0.3222

Monochromacy



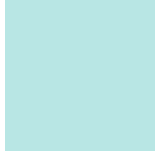
Original Color

82.9487, 0.2500, 0.3357



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3854, 0.2840, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9487, 0.2500, 0.3357 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(128, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 249)  
}
```

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(128, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.9487, 0.2500, 0.3357 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(128, 255, 249) }
```

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

```
.border{ border-color:rgb(128, 255, 249) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9487, 0.2500, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 249) }
```

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

```
.background{ background-color: rgb(128,  
255, 249) }
```

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