

Converting Colors

$Yxy(83.6440, 0.2497, 0.3300)$

Have a look what the booklet for
Yxy(83.6440, 0.2497, 0.3300)
contains.

Yxy(83.6623, 0.2497, 0.3299)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6623, 0.2497, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	85FFFE
RGB	133, 255, 254
RGB Percent	52%, 100%, 100%
CMY	0.4785, 0.0000, 0.0037
CMYK	0.48, 0.00, 0.00, 0.00
HSL	180°, 100%, 76%
HSV	180°, 48%, 100%
XYZ	63.3237, 83.6623, 106.6130
YIQ	218.4080, -72.3910, -26.1750

Conversions

Conversions Part 2

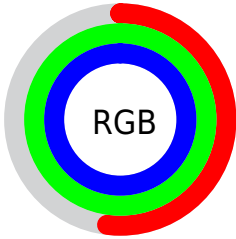
Format	Color
RYB	133, 194, 255
Decimal	8781822
CIELab	93.30, -34.44, -10.15
CIElCh	93, 35.904, 196.415
Yxy	83.6623, 0.2497, 0.3299
Android (android.graphics.Color)	4286971902 (0xFF85FFFE)
YUV	218.4080, 17.5469, -74.9028
Hunter-Lab	91.4671, -36.4899, -5.0808

Details

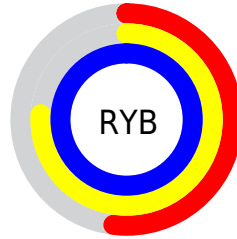
The Yxy color **83.6623, 0.2497, 0.3299** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.7461, 0.4455, 0.3284**, and the grayscale version is **70.3178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **45.6846, 0.2366, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.8209, 0.2411, 0.3301**, and if you desaturate by 10%, it is **86.0083, 0.2602, 0.3297**.

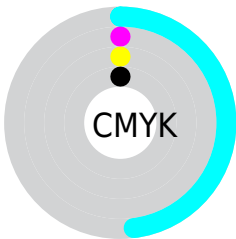
Distribution



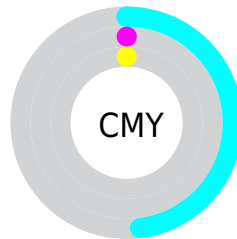
- Red (52%)
- Green (100%)
- Blue (100%)



- Red (52%)
- Yellow (76%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6623, 0.2497, 0.3299 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 83.6623, 0.2497, 0.3299 by changing the saturation by 10% instead.


 83.6623, 0.2497,
0.3299

 83.6623, 0.2497,
0.3299


507.1911, 0.2776,
0.3302

 62.7367, 0.2436,
0.3297


 138.5027, 0.2591,
0.3301

 45.6282, 0.2363,
0.3294


 173.1862, 0.2628,
0.3302

 31.9525, 0.2273,
0.3289


213.2245, 0.2661,
0.3302

 21.3252, 0.2159,
0.3280

259.0020, 0.2689,
0.3302

 13.3620, 0.2011,
0.3266

310.9030, 0.2715,
0.3302

 7.6783, 0.1812,
0.3240

369.3119, 0.2737,

 3.8898, 0.1533,

0.3302

434.6132, 0.2757,
0.3302

0.3189

1.6121, 0.1073,
0.3094

0.3657, 0.0000,
0.2470

83.6623, 0.2497,
0.3299

83.6623, 0.2497,
0.3299

81.8209, 0.2411,
0.3301

86.0083, 0.2602,
0.3297

80.4456, 0.2344,
0.3304

88.8909, 0.2724,
0.3295

79.4947, 0.2296,
0.3306

92.3411, 0.2859,
0.3293

78.9184, 0.2268,
0.3309

96.3870, 0.3006,
0.3291

■ 78.6501, 0.2255,
0.3311

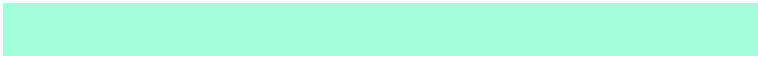
100.0000, 0.3127,
0.3290

■ 78.6121, 0.2253,
0.3312

Harmonies

Analogous

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



83.6623, 0.2791, 0.3699



83.6623, 0.2497, 0.3299



83.6623, 0.2369, 0.2930

Triad

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



83.6623, 0.2497, 0.3299



83.6623, 0.3024, 0.2708



83.6623, 0.3868, 0.3859

Complementary

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



83.6623, 0.2497, 0.3299



39.7461, 0.4455, 0.3284

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.



83.6623, 0.3950, 0.3564



83.6623, 0.2497, 0.3299



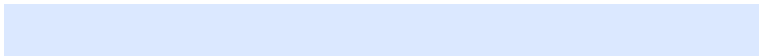
83.6623, 0.3444, 0.2925

Square

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



83.6623, 0.2497, 0.3299



83.6623, 0.2656, 0.2621



83.6623, 0.3793, 0.3229



83.6623, 0.3583, 0.4025

Rectangle

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



83.6623, 0.2497, 0.3299



83.6623, 0.2386, 0.2754



83.6623, 0.3793, 0.3229



83.6623, 0.3921, 0.3770

Sweetspot

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



83.6628, 0.2497, 0.3299



93.8287, 0.2915, 0.3292



78.3639, 0.3066, 0.4807



19.9026, 0.2883, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

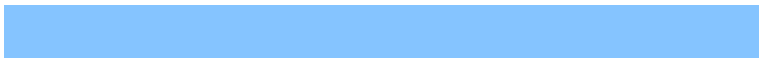
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6628, 0.2497, 0.3299



81.9595, 0.2417, 0.3301



51.6926, 0.2359, 0.2569



20.4789, 0.2981, 0.3291



41.0777, 0.2253, 0.3311



4.0004, 0.2252, 0.3308

Inverse Universe

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



39.7461, 0.4455, 0.3284



33.4795, 0.4869, 0.3284



60.6306, 0.4137, 0.3901



17.9894, 0.3293, 0.3289



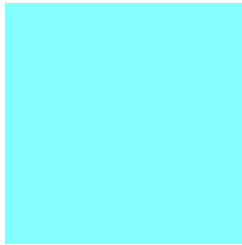
11.1121, 0.6393, 0.3295



1.0827, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 83.6623, 0.2497, 0.3299 looks on a white background.

Color Contrast Check

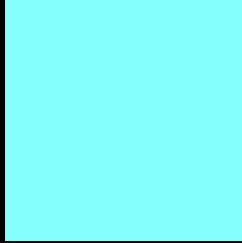
Large Text (above 18pt) WCAG AA × Fail

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 83.6623, 0.2497, 0.3299 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 83.6623, 0.2497, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 83.6623, 0.2497, 0.3299.

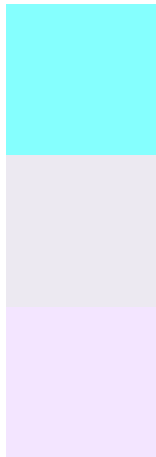


This preview shows how white text looks on a background with the Yxy color 83.6623, 0.2497, 0.3299.

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

83.6623, 0.2497, 0.3299

Protanopia

82.4616, 0.3097, 0.3209

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

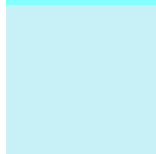
83.1278, 0.2752, 0.3171

Trichromacy



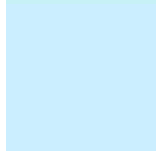
Original Color

83.6623, 0.2497, 0.3299



Protanomaly

81.7065, 0.2837, 0.3235



Deuteranomaly

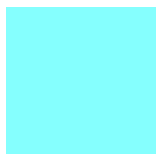
81.0656, 0.2810, 0.3109



Tritanomaly

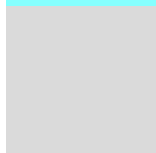
83.0127, 0.2647, 0.3212

Monochromacy



Original Color

83.6623, 0.2497, 0.3299



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4861, 0.2842, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6623, 0.2497, 0.3299 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(133, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 254)  
}
```

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(133, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 83.6623, 0.2497, 0.3299 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(133, 255, 254) }
```

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

```
.border{ border-color:rgb(133, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6623, 0.2497, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 254) }
```

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

```
.background{ background-color: rgb(133,  
255, 254) }
```

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