

Converting Colors

$Y_{xy}(83.4129, 0.2487, 0.3302)$

Have a look what the booklet for
Yxy(83.4129, 0.2487, 0.3302)
contains.

Yxy(83.4216, 0.2486, 0.3299)	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(83.4216, 0.2486, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	82FFFE
RGB	130, 255, 254
RGB Percent	51%, 100%, 100%
CMY	0.4901, 0.0000, 0.0038
CMYK	0.49, 0.00, 0.00, 0.00
HSL	180°, 100%, 75%
HSV	180°, 49%, 100%
XYZ	62.8633, 83.4216, 106.5844
YIQ	217.5110, -74.1790, -26.8110

Conversions

Conversions Part 2

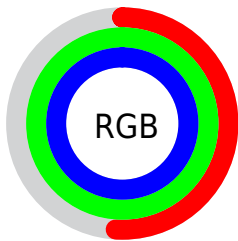
Format	Color
RYB	130, 193, 255
Decimal	8585214
CIELab	93.20, -35.05, -10.31
CIELCh	93, 36.534, 196.390
Yxy	83.4216, 0.2486, 0.3299
Android (android.graphics.Color)	4286775294 (0xFF82FFFE)
YUV	217.5110, 17.9891, -76.7471
Hunter-Lab	91.3354, -36.9810, -5.2540

Details

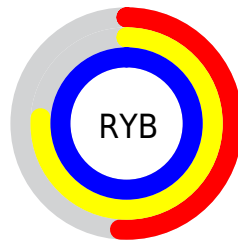
The Yxy color **83.4216, 0.2486, 0.3299** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.8728, 0.4505, 0.3284**, and the grayscale version is **69.6781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **45.5432, 0.2353, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.6389, 0.2402, 0.3301**, and if you desaturate by 10%, it is **85.7104, 0.2589, 0.3297**.

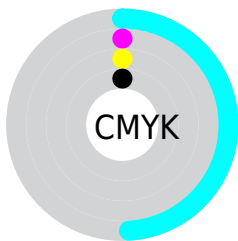
Distribution



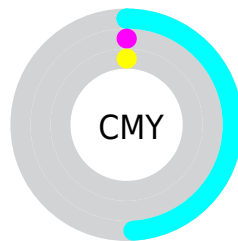
- Red (51%)
- Green (100%)
- Blue (100%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4216, 0.2486, 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 83.4216, 0.2486, 0.3299 by changing the saturation by 10% instead.


 83.4216, 0.2486,
0.3299


 83.4216, 0.2486,
0.3299


506.3905, 0.2769,
0.3302

 62.5380, 0.2424,
0.3297


 138.1658, 0.2582,
0.3301

 45.4676, 0.2350,
0.3293

 172.7952, 0.2620,
0.3302

 31.8259, 0.2258,
0.3288


 212.7753, 0.2653,
0.3302

 21.2285, 0.2142,
0.3279

258.4905, 0.2682,
0.3302

 13.2912, 0.1992,
0.3264

310.3253, 0.2708,
0.3302

 7.6293, 0.1790,
0.3237

368.6639, 0.2730,

 3.8587, 0.1507,

0.3302

433.8909, 0.2751,
0.3302

0.3185

1.5948, 0.1032,
0.3088

0.3541, 0.0000,
0.2413

83.4216, 0.2486,
0.3299

83.4216, 0.2486,
0.3299

81.6389, 0.2402,
0.3301

85.7104, 0.2589,
0.3297

80.3149, 0.2337,
0.3304

88.5293, 0.2709,
0.3295

79.4101, 0.2292,
0.3306

91.9124, 0.2843,
0.3293

78.8735, 0.2265,
0.3308

95.8881, 0.2989,
0.3291

■ 78.6299, 0.2254,
0.3311

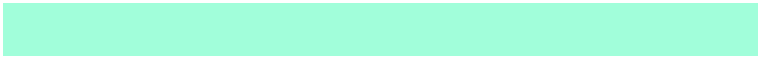
99.9980, 0.3127,
0.3290

■ 78.6123, 0.2253,
0.3311

Harmonies

Analogous

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



83.4216, 0.2785, 0.3707



83.4216, 0.2486, 0.3299



83.4216, 0.2355, 0.2923

Triad

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



83.4216, 0.2486, 0.3299



83.4216, 0.3021, 0.2698



83.4216, 0.3882, 0.3868

Complementary

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



83.4216, 0.2486, 0.3299



38.8728, 0.4505, 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.



83.4216, 0.3965, 0.3568



83.4216, 0.2486, 0.3299



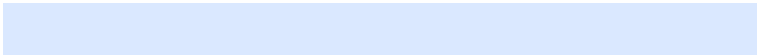
83.4216, 0.3450, 0.2918

Square

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



83.4216, 0.2486, 0.3299



83.4216, 0.2647, 0.2610



83.4216, 0.3805, 0.3227



83.4216, 0.3592, 0.4038

Rectangle

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



83.4216, 0.2486, 0.3299



83.4216, 0.2373, 0.2745



83.4216, 0.3805, 0.3227



83.4216, 0.3936, 0.3778

Sweetspot

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



83.4248, 0.2486, 0.3299



93.4345, 0.2900, 0.3292



78.0458, 0.3064, 0.4849



19.8251, 0.2870, 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.



83.4248, 0.2486, 0.3299



81.6419, 0.2402, 0.3301



50.8193, 0.2341, 0.2548



20.4789, 0.2981, 0.3291



41.0789, 0.2253, 0.3311



4.0005, 0.2252, 0.3308

Inverse Universe

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



38.8728, 0.4505, 0.3284



32.3062, 0.4965, 0.3285



59.8872, 0.4169, 0.3914



17.9893, 0.3293, 0.3289



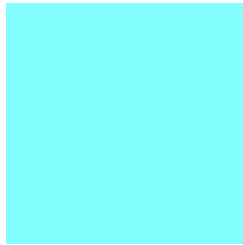
11.1120, 0.6393, 0.3295



1.0827, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 83.4216, 0.2486, 0.3299 looks on a white background.

Color Contrast Check

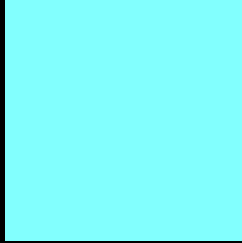
Large Text (above 18pt) WCAG AA × Fail

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 83.4216, 0.2486, 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 83.4216, 0.2486, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 83.4216, 0.2486, 0.3299.

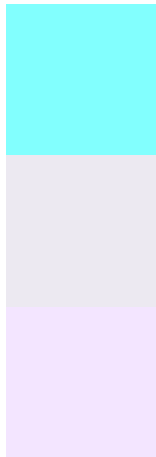


This preview shows how white text looks on a background with the Yxy color 83.4216, 0.2486, 0.3299.

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

83.4216, 0.2486, 0.3299

Protanopia

82.4616, 0.3097, 0.3209

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

82.9977, 0.2747, 0.3171

Trichromacy



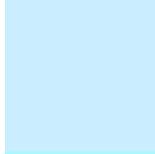
Original Color

83.4216, 0.2486, 0.3299



Protanomaly

81.4347, 0.2825, 0.3235



Deuteranomaly

80.9256, 0.2804, 0.3109



Tritanomaly

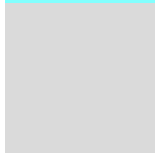
82.7898, 0.2637, 0.3212

Monochromacy



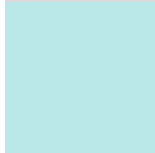
Original Color

83.4216, 0.2486, 0.3299



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3605, 0.2836, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4216, 0.2486, 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(130, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 83.4216, 0.2486, 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(130, 255, 254) }
```

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

```
.border{ border-color:rgb(130, 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(130, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 255, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 255, 254); box-shadow:4px 4px 4px 4px rgb(130, 255, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4216, 0.2486, 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(130, 255, 254) }
```

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

```
.background{ background-color: rgb(130,  
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