

Converting Colors

$Y_{xy}(83.4220, 0.2506, 0.3277)$

Have a look what the booklet for
Yxy(83.4220, 0.2506, 0.3277)
contains.

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Color

Yxy(83.4220, 0.2506, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	89FEFF
RGB	137, 254, 255
RGB Percent	54%, 100%, 100%
CMY	0.4632, 0.0038, 0.0000
CMYK	0.46, 0.00, 0.00, 0.00
HSL	180°, 100%, 77%
HSV	180°, 46%, 100%
XYZ	63.7948, 83.4220, 107.3514
YIQ	219.1310, -70.0530, -24.4930

Conversions

Conversions Part 2

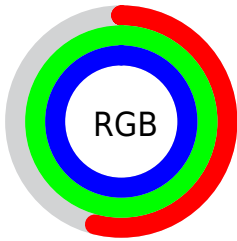
Format	Color
RYB	137, 196, 255
Decimal	9043711
CIELab	93.20, -32.91, -10.78
CIElCh	93, 34.630, 198.144
Yxy	83.4220, 0.2506, 0.3277
Android (android.graphics.Color)	4287233791 (0xFF89FEFF)
YUV	219.1310, 17.6834, -72.0289
Hunter-Lab	91.3356, -35.1613, -5.7516

Details

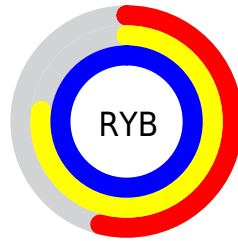
The Yxy color **83.4220, 0.2506, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2025, 0.4396, 0.3304**, and the grayscale version is **70.8288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **45.5056, 0.2378, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **81.3863, 0.2415, 0.3274**, and if you desaturate by 10%, it is **85.9725, 0.2615, 0.3280**.

Distribution



- Red (54%)
- Green (100%)
- Blue (100%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4220, 0.2506, 0.3277 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 83.4220, 0.2506, 0.3277 by changing the saturation by 10% instead.


 83.4220, 0.2506,
0.3277


 83.4220, 0.2506,
0.3277


506.3919, 0.2781,
0.3290

 62.5383, 0.2446,
0.3273


 138.1664, 0.2599,
0.3282

 45.4678, 0.2374,
0.3267


 172.7958, 0.2636,
0.3284

 31.8261, 0.2285,
0.3258


212.7760, 0.2668,
0.3286

 21.2287, 0.2172,
0.3246

258.4914, 0.2696,
0.3287

 13.2913, 0.2026,
0.3226

310.3262, 0.2721,
0.3288

 7.6294, 0.1830,
0.3193


368.6650, 0.2743,


 3.8588, 0.1554,


0.3288


0.3131


433.8921, 0.2763,
0.3289

 1.5949, 0.1107,
0.3015


 0.3541, 0.0000,
0.2354

 83.4220, 0.2506,
0.3277


 83.4220, 0.2506,
0.3277


 81.3863, 0.2415,
0.3274


 85.9725, 0.2615,
0.3280


 79.8205, 0.2344,
0.3271

 89.0622, 0.2740,
0.3283

 78.6861, 0.2292,
0.3268

 92.7241, 0.2879,
0.3286

 77.9348, 0.2259,
0.3265

 96.9861, 0.3029,
0.3288

■ 77.5062, 0.2243,
0.3263

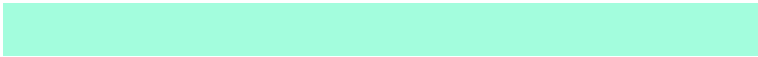
100.0000, 0.3127,
0.3290

■ 77.3964, 0.2239,
0.3262

Harmonies

Analogous

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



83.4220, 0.2783, 0.3664



83.4220, 0.2506, 0.3277



83.4220, 0.2391, 0.2926

Triad

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



83.4220, 0.2506, 0.3277



83.4220, 0.3051, 0.2735



83.4220, 0.3832, 0.3854

Complementary

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



83.4220, 0.2506, 0.3277



41.2025, 0.4396, 0.3304

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.



83.4220, 0.3923, 0.3575



83.4220, 0.2506, 0.3277



83.4220, 0.3456, 0.2952

Square

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



83.4220, 0.2506, 0.3277



83.4220, 0.2689, 0.2644



83.4220, 0.3784, 0.3251



83.4220, 0.3549, 0.4002

Rectangle

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



83.4220, 0.2506, 0.3277



83.4220, 0.2415, 0.2761



83.4220, 0.3784, 0.3251



83.4220, 0.3887, 0.3771

Sweetspot

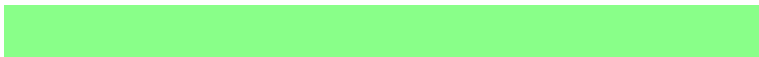
The Sweet Spot groups the original color and five complimentary colors.



83.4248, 0.2506, 0.3277



93.6577, 0.2913, 0.3286



78.6319, 0.3058, 0.4756



19.8604, 0.2882, 0.3286



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, 0.2506, 0.3277



81.4437, 0.2418, 0.3274



51.9838, 0.2378, 0.2571



20.4540, 0.2980, 0.3288



40.4532, 0.2240, 0.3262



3.9468, 0.2240, 0.3265

Inverse Universe

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



46.2767, 0.3188, 0.2168



40.0364, 0.3200, 0.1974



62.5178, 0.4086, 0.3902



18.2976, 0.3139, 0.3058



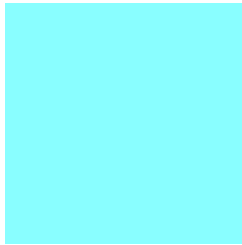
14.8117, 0.3230, 0.1553



1.4430, 0.3227, 0.1552

Previews

White Background



This preview shows how the Yxy color 83.4220, 0.2506, 0.3277 looks on a white background.

Color Contrast Check

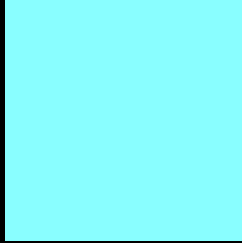
Large Text (above 18pt) WCAG AA × Fail

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 83.4220, 0.2506, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

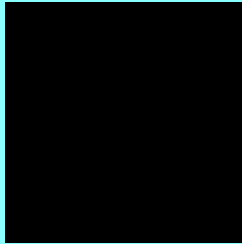
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

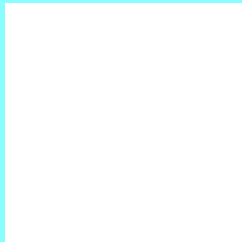
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4220, 0.2506, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 83.4220, 0.2506, 0.3277.

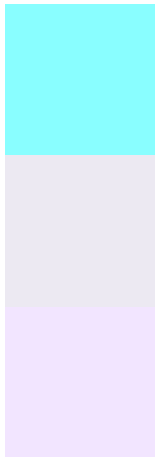


This preview shows how white text looks on a background with the Yxy color 83.4220, 0.2506, 0.3277.

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

83.4220, 0.2506, 0.3277

Protanopia

82.5215, 0.3091, 0.3198

Deuteranopia

82.1359, 0.3052, 0.3032



Tritanopia

83.1278, 0.2752, 0.3171

Trichromacy



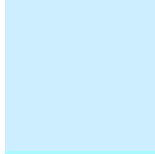
Original Color

83.4220, 0.2506, 0.3277



Protanomaly

81.9054, 0.2837, 0.3225



Deuteranomaly

81.2064, 0.2816, 0.3110



Tritanomaly

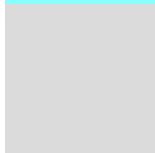
83.1255, 0.2652, 0.3212

Monochromacy



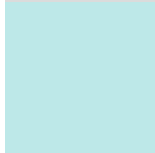
Original Color

83.4220, 0.2506, 0.3277



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.3582, 0.2849, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4220, 0.2506, 0.3277 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(137, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 254, 255)  
}
```

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(137, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.4220, 0.2506, 0.3277 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(137, 254, 255) }
```

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

```
.border{ border-color:rgb(137, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4220, 0.2506, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 254, 255) }
```

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

```
.background{ background-color: rgb(137,  
254, 255) }
```

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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