

Converting Colors

$Y_{xy}(87.7676, 0.2297, 0.2707)$

Have a look what the booklet for
Yxy(87.7676, 0.2297, 0.2707)
contains.

Yxy(83.5926, 0.2514, 0.3277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.5926, 0.2514, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	8BFEFF
RGB	139, 254, 255
RGB Percent	55%, 100%, 100%
CMY	0.4552, 0.0039, 0.0000
CMYK	0.46, 0.00, 0.00, 0.00
HSL	181°, 100%, 77%
HSV	181°, 46%, 100%
XYZ	64.1293, 83.5926, 107.3669
YIQ	219.7290, -68.8610, -24.0690

Conversions

Conversions Part 2

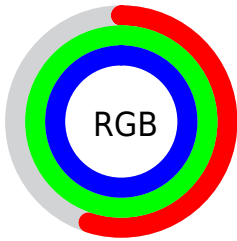
Format	Color
RYB	139, 197, 255
Decimal	9174783
CIELab	93.27, -32.47, -10.67
CIELCh	93, 34.172, 198.186
Yxy	83.5926, 0.2514, 0.3277
Android (android.graphics.Color)	4287364863 (0xFF8BFEFF)
YUV	219.7290, 17.3886, -70.7993
Hunter-Lab	91.4290, -34.7988, -5.6251

Details

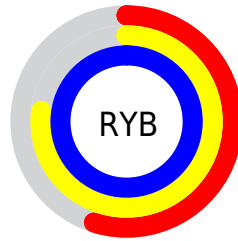
The Yxy color **83.5926, 0.2514, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8500, 0.4362, 0.3304**, and the grayscale version is **71.2724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.5875, 0.2385, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **81.5148, 0.2422, 0.3274**, and if you desaturate by 10%, it is **86.1880, 0.2625, 0.3280**.

Distribution



- Red (55%)
- Green (100%)
- Blue (100%)



- Red (55%)
- 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 83.5926, 0.2514, 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 83.5926, 0.2514, 0.3277 by changing the saturation by 10% instead.


 83.5926, 0.2514,
0.3277

 83.5926, 0.2514,
0.3277


506.9594, 0.2785,
0.3289

 62.6791, 0.2455,
0.3273

 138.4051, 0.2606,
0.3282

 45.5817, 0.2384,
0.3267


 173.0730, 0.2642,
0.3284

 31.9158, 0.2296,
0.3259


213.0945, 0.2674,
0.3286

 21.2972, 0.2185,
0.3246


258.8539, 0.2701,
0.3287

 13.3414, 0.2040,
0.3227

310.7357, 0.2726,
0.3288

 7.6641, 0.1846,
0.3195

369.1243, 0.2748,

 3.8808, 0.1573,

0.3288

0.3134

434.4041, 0.2767,
0.3289

■ 1.6071, 0.1135,
0.3020

■ 0.3624, 0.0000,
0.2394

■ 83.5926, 0.2514,
0.3277

■ 83.5926, 0.2514,
0.3277

■ 81.5148, 0.2422,
0.3274

■ 86.1880, 0.2625,
0.3280

■ 79.9099, 0.2349,
0.3271

■ 89.3251, 0.2751,
0.3283

■ 78.7399, 0.2295,
0.3268

■ 93.0367, 0.2891,
0.3286

■ 77.9572, 0.2261,
0.3265

■ 97.3505, 0.3041,
0.3289

■ 77.5028, 0.2244,
0.3262

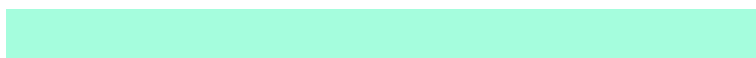
100.0000, 0.3127,
0.3290

■ 77.3676, 0.2239,
0.3261

Harmonies

Analogous

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



83.5926, 0.2787, 0.3658



83.5926, 0.2514, 0.3277



83.5926, 0.2401, 0.2931

Triad

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



83.5926, 0.2514, 0.3277



83.5926, 0.3052, 0.2742



83.5926, 0.3822, 0.3847

Complementary

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



83.5926, 0.2514, 0.3277



41.8500, 0.4362, 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.



83.5926, 0.3912, 0.3572



83.5926, 0.2514, 0.3277



83.5926, 0.3452, 0.2957

Square

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



83.5926, 0.2514, 0.3277



83.5926, 0.2696, 0.2652



83.5926, 0.3775, 0.3252



83.5926, 0.3543, 0.3992

Rectangle

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



83.5926, 0.2514, 0.3277



83.5926, 0.2424, 0.2768



83.5926, 0.3775, 0.3252



83.5926, 0.3876, 0.3766

Sweetspot

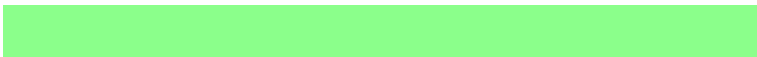
The Sweet Spot groups the original color and five complimentary colors.



83.5954, 0.2514, 0.3277



93.6536, 0.2913, 0.3286



78.8638, 0.3060, 0.4727



19.8594, 0.2882, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

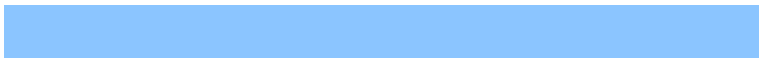
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5954, 0.2514, 0.3277



81.6112, 0.2426, 0.3274



52.6164, 0.2391, 0.2586



20.4534, 0.2980, 0.3288



40.4384, 0.2239, 0.3262



3.9456, 0.2240, 0.3265

Inverse Universe

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



46.8588, 0.3188, 0.2185



40.6081, 0.3199, 0.1992



63.0360, 0.4065, 0.3892



18.2976, 0.3139, 0.3058



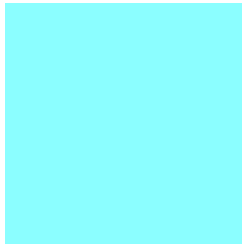
14.8103, 0.3230, 0.1553



1.4429, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 83.5926, 0.2514, 0.3277 looks on a white background.

Color Contrast Check

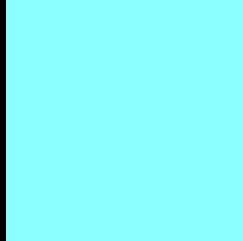
Large Text (above 18pt) WCAG AA × Fail

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 83.5926, 0.2514, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

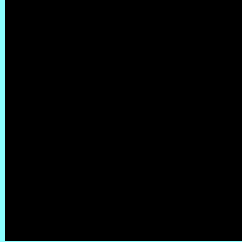
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5926, 0.2514, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 83.5926, 0.2514, 0.3277.

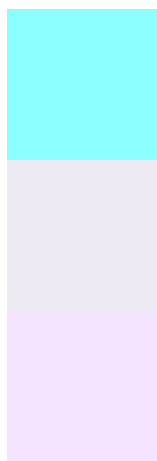


This preview shows how white text looks on a background with the Yxy color 83.5926, 0.2514, 0.3277.

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

83.5926, 0.2514, 0.3277

Protanopia

82.5215, 0.3091, 0.3198

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

83.2588, 0.2758, 0.3172

Trichromacy



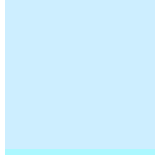
Original Color

83.5926, 0.2514, 0.3277



Protanomaly

82.0435, 0.2843, 0.3225



Deuteranomaly

81.3482, 0.2821, 0.3110



Tritanomaly

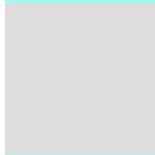
83.2390, 0.2657, 0.3212

Monochromacy



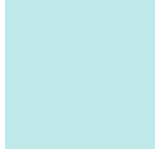
Original Color

83.5926, 0.2514, 0.3277



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.6728, 0.2856, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5926, 0.2514, 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(139, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.5926, 0.2514, 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(139, 254, 255) }
```

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

```
.border{ border-color:rgb(139, 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(139, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5926, 0.2514, 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(139, 254, 255) }
```

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

```
.background{ background-color: rgb(139,  
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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