

Converting Colors

$Y_{xy}(82.0029, 0.2517, 0.3245)$

Have a look what the booklet for
Yxy(82.0029, 0.2517, 0.3245)
contains.

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Color

Yxy(81.8771, 0.2516, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	8DFBFF
RGB	141, 251, 255
RGB Percent	55%, 98%, 100%
CMY	0.4474, 0.0156, 0.0000
CMYK	0.45, 0.02, 0.00, 0.00
HSL	182°, 100%, 78%
HSV	182°, 45%, 100%
XYZ	63.5223, 81.8771, 107.0739
YIQ	218.5660, -66.8440, -22.0760

Conversions

Conversions Part 2

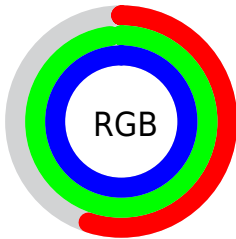
Format	Color
RYB	141, 197, 255
Decimal	9305087
CIELab	92.52, -30.61, -11.78
CIElCh	93, 32.798, 201.052
Yxy	81.8771, 0.2516, 0.3243
Android (android.graphics.Color)	4287495167 (0xFF8DFBFF)
YUV	218.5660, 17.9620, -68.0254
Hunter-Lab	90.4860, -33.0412, -6.8189

Details

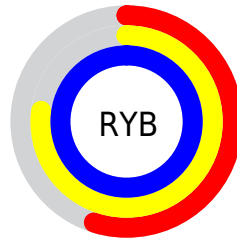
The Yxy color **81.8771, 0.2516, 0.3243** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.4018, 0.4315, 0.3335**, and the grayscale version is **70.4183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **44.3663, 0.2386, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **79.3418, 0.2419, 0.3231**, and if you desaturate by 10%, it is **84.9340, 0.2630, 0.3255**.

Distribution



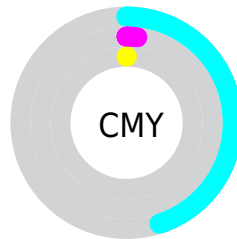
- Red (55%)
- Green (98%)
- Blue (100%)



- Red (55%)
- Yellow (77%)
- Blue (100%)



- Cyan (45%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8771, 0.2516, 0.3243 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 81.8771, 0.2516, 0.3243 by changing the saturation by 10% instead.

 81.8771, 0.2516,
0.3243


 81.8771, 0.2516,
0.3243


501.2365, 0.2787,
0.3271

 61.2642, 0.2457,
0.3235


 136.0016, 0.2608,
0.3254

 44.4385, 0.2385,
0.3225


 170.2821, 0.2644,
0.3258

 31.0153, 0.2297,
0.3212


209.8872, 0.2676,
0.3261

 20.6105, 0.2185,
0.3192

255.2014, 0.2703,
0.3264

 12.8396, 0.2040,
0.3163

306.6090, 0.2728,
0.3266

 7.3182, 0.1843,
0.3117


364.4945, 0.2750,


 3.6619, 0.1566,

0.3268

0.3037


429.2422, 0.2769,
0.3269


 1.4863, 0.1110,
0.2892


 0.2790, 0.0000,
0.1971


 81.8771, 0.2516,
0.3243


 81.8771, 0.2516,
0.3243


 79.3418, 0.2419,
0.3231


 84.9340, 0.2630,
0.3255


 77.2855, 0.2341,
0.3219

 88.5380, 0.2760,
0.3266

 75.6700, 0.2283,
0.3208

 92.7212, 0.2902,
0.3276

 74.4483, 0.2244,
0.3196

 97.5111, 0.3053,
0.3286

■ 73.5625, 0.2223,
0.3184

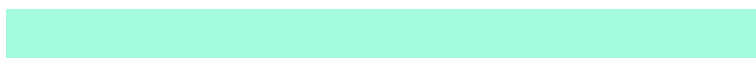
100.0000, 0.3127,
0.3290

■ 73.1881, 0.2216,
0.3178

Harmonies

Analogous

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



81.8771, 0.2768, 0.3612



81.8771, 0.2516, 0.3243



81.8771, 0.2422, 0.2917

Triad

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



81.8771, 0.2516, 0.3243



81.8771, 0.3092, 0.2774



81.8771, 0.3780, 0.3850

Complementary

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



81.8771, 0.2516, 0.3243



43.4018, 0.4315, 0.3335

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.



81.8771, 0.3887, 0.3593



81.8771, 0.2516, 0.3243



81.8771, 0.3477, 0.2992

Square

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



81.8771, 0.2516, 0.3243



81.8771, 0.2739, 0.2674



81.8771, 0.3775, 0.3284



81.8771, 0.3497, 0.3972

Rectangle

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



81.8771, 0.2516, 0.3243



81.8771, 0.2456, 0.2768



81.8771, 0.3775, 0.3284



81.8771, 0.3839, 0.3775

Sweetspot

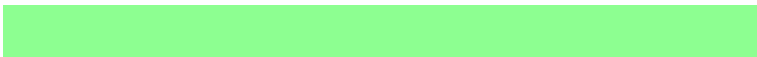
The Sweet Spot groups the original color and five complimentary colors.



81.8794, 0.2516, 0.3243



93.5094, 0.2928, 0.3278



79.2113, 0.3043, 0.4652



19.8013, 0.2895, 0.3276



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.



81.8794, 0.2516, 0.3243



79.5122, 0.2426, 0.3232



51.5287, 0.2395, 0.2552



20.3662, 0.2980, 0.3281



38.2908, 0.2217, 0.3180



3.7609, 0.2220, 0.3193

Inverse Universe

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



47.2516, 0.3212, 0.2226



40.9667, 0.3230, 0.2038



65.3100, 0.4027, 0.3919



18.2888, 0.3143, 0.3064



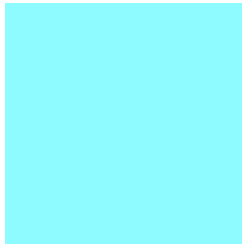
14.5934, 0.3299, 0.1591



1.4242, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 81.8771, 0.2516, 0.3243 looks on a white background.

Color Contrast Check

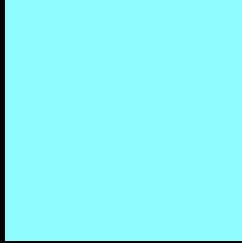
Large Text (above 18pt) WCAG AA × Fail

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 81.8771, 0.2516, 0.3243 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 81.8771, 0.2516, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 81.8771, 0.2516, 0.3243.

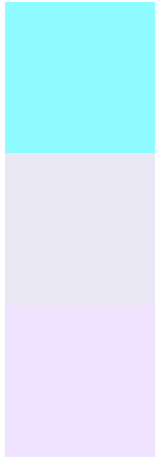


This preview shows how white text looks on a background with the Yxy color 81.8771, 0.2516, 0.3243.

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

81.8771, 0.2516, 0.3243

Protanopia

80.9465, 0.3066, 0.3167

Deuteranopia

80.6834, 0.3039, 0.3010



Tritanopia

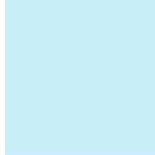
81.1634, 0.2717, 0.3148

Trichromacy



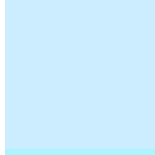
Original Color

81.8771, 0.2516, 0.3243



Protanomaly

80.1438, 0.2836, 0.3192



Deuteranomaly

80.0483, 0.2814, 0.3088



Tritanomaly

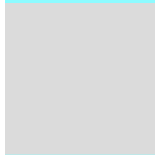
81.0709, 0.2638, 0.3178

Monochromacy



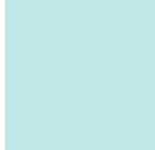
Original Color

81.8771, 0.2516, 0.3243



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.0544, 0.2861, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8771, 0.2516, 0.3243 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(141, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 251, 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(141, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.8771, 0.2516, 0.3243 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(141, 251, 255) }
```

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

```
.border{ border-color:rgb(141, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8771, 0.2516, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 251, 255) }
```

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

```
.background{ background-color: rgb(141,  
251, 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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