

Converting Colors

$Yxy(81.8118, 0.2582, 0.3244)$

Have a look what the booklet for
Yxy(81.8118, 0.2582, 0.3244)
contains.

Yxy(81.8118, 0.2582, 0.3244)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.8118, 0.2582, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	9BF9FD
RGB	155, 249, 253
RGB Percent	61%, 98%, 99%
CMY	0.3922, 0.0235, 0.0079
CMYK	0.39, 0.02, 0.00, 0.01
HSL	182°, 96%, 80%
HSV	182°, 39%, 99%
XYZ	65.1165, 81.8118, 105.2659
YIQ	221.3500, -57.3080, -18.6840

Conversions

Conversions Part 2

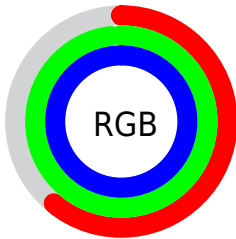
Format	Color
R _Y B	155, 203, 253
Decimal	10222077
CIE Lab	92.49, -26.86, -10.71
CIE LCh	92, 28.913, 201.732
Yxy	81.8118, 0.2582, 0.3244
Android (android.graphics.Color)	4288412157 (0xFF9BF9FD)
YUV	221.3500, 15.6035, -58.1889
Hunter-Lab	90.4499, -29.7818, -5.6870

Details

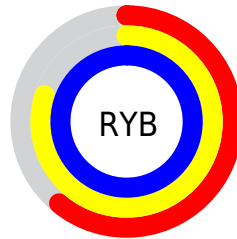
The Yxy color **81.8118, 0.2582, 0.3244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0225, 0.4084, 0.3335**, and the grayscale version is **72.4817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **44.2262, 0.2464, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **78.9380, 0.2474, 0.3231**, and if you desaturate by 10%, it is **85.2197, 0.2706, 0.3257**.

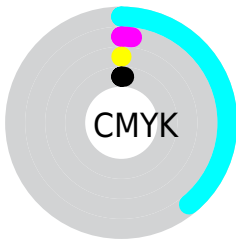
Distribution



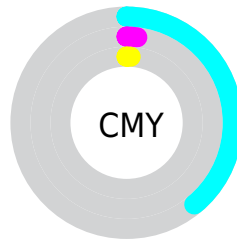
- Red (61%)
- Green (98%)
- Blue (99%)



- Red (61%)
- Yellow (80%)
- Blue (99%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)





- Cyan (39%)
- Magenta (2%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8118, 0.2582, 0.3244 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 81.8118, 0.2582, 0.3244 by changing the saturation by 10% instead.


 81.8118, 0.2582,
0.3244


 81.8118, 0.2582,
0.3244

501.0180, 0.2825,
0.3270

 61.2104, 0.2529,
0.3237

 135.9100, 0.2664,
0.3254

 44.3950, 0.2464,
0.3228


 170.1757, 0.2697,
0.3258

 30.9812, 0.2385,
0.3216


209.7649, 0.2725,
0.3261

 20.5845, 0.2283,
0.3198

255.0621, 0.2750,
0.3263

 12.8206, 0.2151,
0.3173

306.4515, 0.2772,
0.3265

 7.3051, 0.1971,
0.3133

364.3178, 0.2791,

 3.6537, 0.1714,

0.3267

0.3063

429.0451, 0.2809,
0.3269

■ 1.4818, 0.1303,
0.2931

■ 0.2759, 0.0000,
0.2079

■ 81.8118, 0.2582,
0.3244

■ 81.8118, 0.2582,
0.3244

■ 78.9380, 0.2474,
0.3231

■ 85.2197, 0.2706,
0.3257

■ 76.5557, 0.2384,
0.3217

■ 89.1822, 0.2844,
0.3269

■ 74.6313, 0.2313,
0.3203

■ 93.7304, 0.2992,
0.3281

■ 73.1229, 0.2262,
0.3189

■ 98.6671, 0.3140,
0.3291

■ 71.9809, 0.2230,
0.3176

99.3155, 0.3139,
0.3301

■ 71.1336, 0.2213,
0.3163

99.8703, 0.3139,
0.3309

■ 71.0356, 0.2211,
0.3161

Harmonies

Analogous

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



81.8118, 0.2804, 0.3566



81.8118, 0.2582, 0.3244



81.8118, 0.2501, 0.2958

Triad

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



81.8118, 0.2582, 0.3244



81.8118, 0.3106, 0.2834



81.8118, 0.3700, 0.3791

Complementary

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



81.8118, 0.2582, 0.3244



48.0225, 0.4084, 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.



81.8118, 0.3796, 0.3568



81.8118, 0.2582, 0.3244



81.8118, 0.3443, 0.3031

Square

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



81.8118, 0.2582, 0.3244



81.8118, 0.2790, 0.2743



81.8118, 0.3701, 0.3294



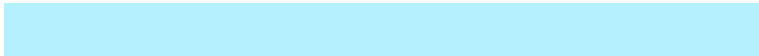
81.8118, 0.3449, 0.3890

Rectangle

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



81.8118, 0.2582, 0.3244



81.8118, 0.2533, 0.2826



81.8118, 0.3701, 0.3294



81.8118, 0.3752, 0.3727

Sweetspot

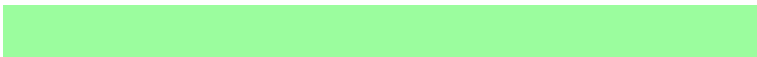
The Sweet Spot groups the original color and five complimentary colors.



81.8150, 0.2582, 0.3244



93.8638, 0.2942, 0.3277



79.6792, 0.3055, 0.4440



19.9594, 0.2923, 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.



81.8150, 0.2582, 0.3244



81.1267, 0.2502, 0.3234



55.6968, 0.2495, 0.2669



20.3479, 0.2980, 0.3280



37.8510, 0.2212, 0.3163



3.7230, 0.2216, 0.3178

Inverse Universe

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



51.1554, 0.3204, 0.2365



46.2690, 0.3220, 0.2205



67.9889, 0.3880, 0.3835



18.2869, 0.3144, 0.3065



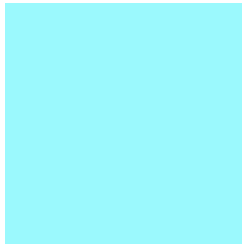
14.5490, 0.3313, 0.1599



1.4204, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 81.8118, 0.2582, 0.3244 looks on a white background.

Color Contrast Check

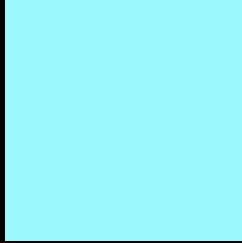
Large Text (above 18pt) WCAG AA × Fail

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 81.8118, 0.2582, 0.3244 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 81.8118, 0.2582, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 81.8118, 0.2582, 0.3244.

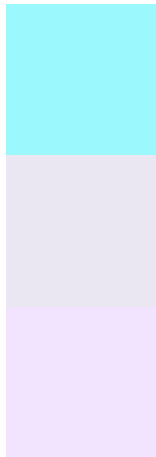


This preview shows how white text looks on a background with the Yxy color 81.8118, 0.2582, 0.3244.

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

81.8118, 0.2582, 0.3244

Protanopia

81.0551, 0.3079, 0.3177

Deuteranopia

81.0354, 0.3052, 0.3011



Tritanopia

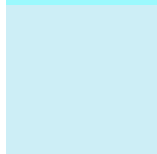
81.5431, 0.2734, 0.3149

Trichromacy



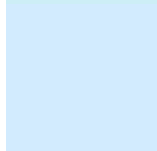
Original Color

81.8118, 0.2582, 0.3244



Protanomaly

80.7820, 0.2871, 0.3204



Deuteranomaly

80.2741, 0.2855, 0.3090



Tritanomaly

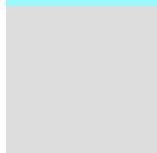
81.8077, 0.2678, 0.3190

Monochromacy



Original Color

81.8118, 0.2582, 0.3244



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.9053, 0.2892, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8118, 0.2582, 0.3244 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(155, 249, 253)` looks like.

```
.text, #text, p{  
    color:rgb(155, 249, 253)  
}
```

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(155, 249, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 249, 253) }
```

Border

The CSS property to change the border of an element to Yxy 81.8118, 0.2582, 0.3244 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(155, 249, 253) }
```

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

```
.border{ border-color:rgb(155, 249, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 249, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 249, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 249, 253);  
box-shadow:4px 4px 4px 4px rgb(155, 249,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8118, 0.2582, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 249, 253) }
```

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

```
.background{ background-color: rgb(155,  
249, 253) }
```

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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