

Converting Colors

$Yxy(83.1544, 0.2568, 0.3247)$

Have a look what the booklet for
Yxy(83.1544, 0.2568, 0.3247)
contains.

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Color

Yxy(82.9867, 0.2567, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	99FBFF
RGB	153, 251, 255
RGB Percent	60%, 98%, 100%
CMY	0.4004, 0.0156, 0.0000
CMYK	0.40, 0.02, 0.00, 0.00
HSL	182°, 100%, 80%
HSV	182°, 40%, 100%
XYZ	65.6680, 82.9867, 107.1613
YIQ	222.1540, -59.6920, -19.5320

Conversions

Conversions Part 2

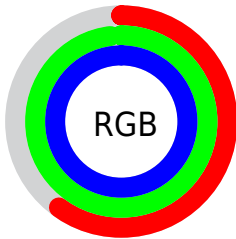
Format	Color
RYB	153, 203, 255
Decimal	10091519
CIELab	93.01, -27.84, -10.99
CIELCh	93, 29.937, 201.546
Yxy	82.9867, 0.2567, 0.3244
Android (android.graphics.Color)	4288281599 (0xFF99FBFF)
YUV	222.1540, 16.1931, -60.6481
Hunter-Lab	91.0970, -30.7468, -5.9774

Details

The Yxy color **82.9867, 0.2567, 0.3244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6255, 0.4132, 0.3335**, and the grayscale version is **73.0615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.0937, 0.2450, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **80.1516, 0.2461, 0.3231**, and if you desaturate by 10%, it is **86.3616, 0.2689, 0.3257**.

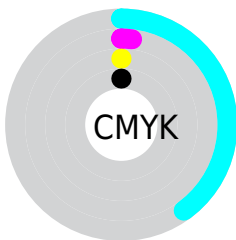
Distribution



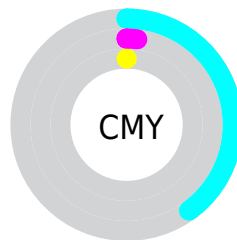
- Red (60%)
- Green (98%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9867, 0.2567, 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 82.9867, 0.2567, 0.3244 by changing the saturation by 10% instead.


 82.9867, 0.2567,
0.3244


 82.9867, 0.2567,
0.3244


504.9422, 0.2815,
0.3270

 62.1792, 0.2513,
0.3237


 137.5568, 0.2651,
0.3254

 45.1775, 0.2447,
0.3228


 172.0882, 0.2684,
0.3258

 31.5973, 0.2366,
0.3215


211.9631, 0.2713,
0.3261

 21.0541, 0.2263,
0.3198

257.5657, 0.2739,
0.3263

 13.1635, 0.2129,
0.3172

309.2805, 0.2761,
0.3265

 7.5412, 0.1948,
0.3131

367.4919, 0.2781,

 3.8028, 0.1690,

0.3267

432.5844, 0.2799,
0.3269

0.3061

1.5639, 0.1289,
0.2927

0.3331, 0.0000,
0.2259

82.9867, 0.2567,
0.3244

82.9867, 0.2567,
0.3244

80.1516, 0.2461,
0.3231

86.3616, 0.2689,
0.3257

77.8123, 0.2374,
0.3218

90.2976, 0.2825,
0.3268

75.9341, 0.2306,
0.3205

94.8266, 0.2972,
0.3280

74.4735, 0.2258,
0.3191

99.9753, 0.3127,
0.3290

■ 73.3783, 0.2228,
0.3178

99.9998, 0.3127,
0.3290

■ 72.5665, 0.2213,
0.3166

Harmonies

Analogous

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



82.9867, 0.2796, 0.3577



82.9867, 0.2567, 0.3244



82.9867, 0.2483, 0.2949

Triad

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



82.9867, 0.2567, 0.3244



82.9867, 0.3102, 0.2821



82.9867, 0.3719, 0.3805

Complementary

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



82.9867, 0.2567, 0.3244



47.6255, 0.4132, 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.



82.9867, 0.3817, 0.3574



82.9867, 0.2567, 0.3244



82.9867, 0.3451, 0.3022

Square

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



82.9867, 0.2567, 0.3244



82.9867, 0.2778, 0.2727



82.9867, 0.3718, 0.3291



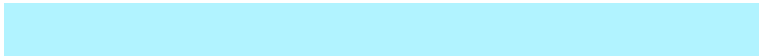
82.9867, 0.3460, 0.3909

Rectangle

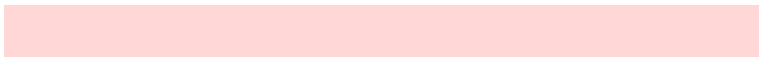
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9867, 0.2567, 0.3244



82.9867, 0.2515, 0.2813



82.9867, 0.3718, 0.3291



82.9867, 0.3772, 0.3738

Sweetspot

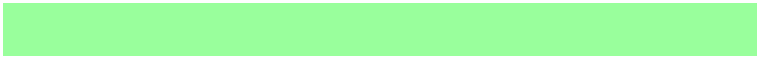
The Sweet Spot groups the original color and five complimentary colors.



82.9900, 0.2567, 0.3244



93.8935, 0.2942, 0.3278



80.6908, 0.3053, 0.4486



19.9664, 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.



82.9900, 0.2567, 0.3244



80.6909, 0.2481, 0.3234



55.5418, 0.2473, 0.2644



20.3530, 0.2980, 0.3280



37.9720, 0.2213, 0.3168



3.7335, 0.2217, 0.3182

Inverse Universe

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



50.9735, 0.3206, 0.2334



44.8426, 0.3223, 0.2161



68.3508, 0.3912, 0.3854



18.2874, 0.3144, 0.3065



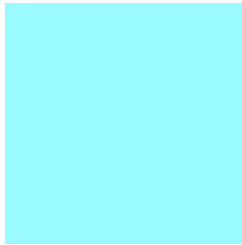
14.5613, 0.3309, 0.1597



1.4214, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 82.9867, 0.2567, 0.3244 looks on a white background.

Color Contrast Check

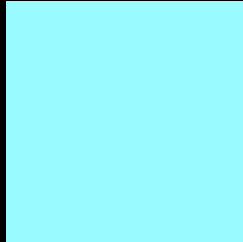
Large Text (above 18pt) WCAG AA × Fail

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 82.9867, 0.2567, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

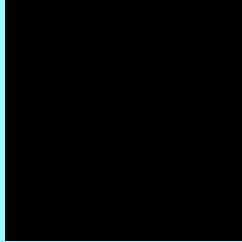
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9867, 0.2567, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 82.9867, 0.2567, 0.3244.

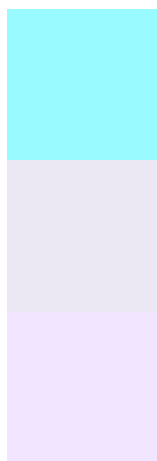


This preview shows how white text looks on a background with the Yxy color 82.9867, 0.2567, 0.3244.

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

82.9867, 0.2567, 0.3244

Protanopia

81.9070, 0.3073, 0.3168

Deuteranopia

82.1359, 0.3052, 0.3032



Tritanopia

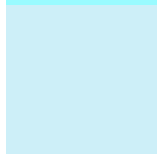
82.6586, 0.2757, 0.3161

Trichromacy



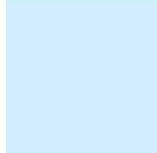
Original Color

82.9867, 0.2567, 0.3244



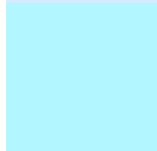
Protanomaly

81.4895, 0.2860, 0.3194



Deuteranomaly

81.4900, 0.2851, 0.3101



Tritanomaly

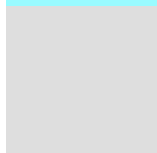
82.5965, 0.2680, 0.3191

Monochromacy



Original Color

82.9867, 0.2567, 0.3244



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.0887, 0.2887, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9867, 0.2567, 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(153, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.9867, 0.2567, 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(153, 251, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9867, 0.2567, 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(153, 251, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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