

Converting Colors

$Yxy(84.2678, 0.2468, 0.3025)$

Have a look what the booklet for
Yxy(84.2678, 0.2468, 0.3025)
contains.

Yxy(82.6984, 0.2554, 0.3244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.6984, 0.2554, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	96FBFF
RGB	150, 251, 255
RGB Percent	59%, 98%, 100%
CMY	0.4121, 0.0156, 0.0001
CMYK	0.41, 0.02, 0.00, 0.00
HSL	182°, 100%, 79%
HSV	182°, 41%, 100%
XYZ	65.1084, 82.6984, 107.1204
YIQ	221.2570, -61.4800, -20.1680

Conversions

Conversions Part 2

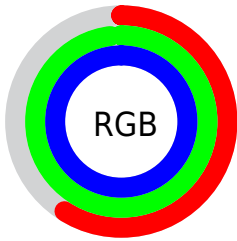
Format	Color
R_{YB}	150, 201, 255
Decimal	9894911
CIE _{Lab}	92.88, -28.56, -11.19
CIE _{LCh}	93, 30.672, 201.391
Yxy	82.6984, 0.2554, 0.3244
Android (android.graphics.Color)	4288084991 (0xFF96FBFF)
YUV	221.2570, 16.6353, -62.4924
Hunter-Lab	90.9387, -31.3438, -6.1831

Details

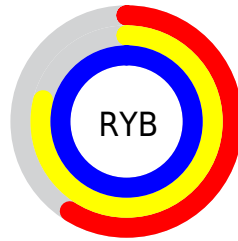
The Yxy color **82.6984, 0.2554, 0.3244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.5212, 0.4176, 0.3335**, and the grayscale version is **72.3956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **44.8849, 0.2432, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **79.9434, 0.2450, 0.3231**, and if you desaturate by 10%, it is **85.9890, 0.2674, 0.3256**.

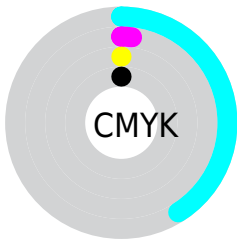
Distribution



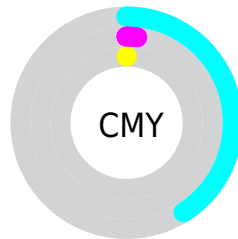
- Red (59%)
- Green (98%)
- Blue (100%)



- Red (59%)
- Yellow (79%)
- Blue (100%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6984, 0.2554, 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 82.6984, 0.2554, 0.3244 by changing the saturation by 10% instead.


 82.6984, 0.2554,
0.3244


 82.6984, 0.2554,
0.3244


503.9808, 0.2808,
0.3271

 61.9414, 0.2499,
0.3237


 137.1530, 0.2640,
0.3254

 44.9853, 0.2431,
0.3227


 171.6193, 0.2674,
0.3258

 31.4459, 0.2348,
0.3215

211.4242, 0.2704,
0.3261

 20.9386, 0.2243,
0.3197

256.9520, 0.2730,
0.3263

 13.0791, 0.2106,
0.3170

308.5872, 0.2753,
0.3266

 7.4831, 0.1921,
0.3128

366.7141, 0.2773,

 3.7660, 0.1658,

0.3268

0.3056

431.7172, 0.2792,
0.3269

■ 1.5435, 0.1245,
0.2919

■ 0.3191, 0.0000,
0.2188

■ 82.6984, 0.2554,
0.3244

■ 82.6984, 0.2554,
0.3244

■ 79.9434, 0.2450,
0.3231

■ 85.9890, 0.2674,
0.3256

■ 77.6798, 0.2365,
0.3219

■ 89.8370, 0.2809,
0.3268

■ 75.8722, 0.2300,
0.3206

■ 94.2744, 0.2954,
0.3279

■ 74.4763, 0.2254,
0.3193

■ 99.3282, 0.3108,
0.3289

■ 73.4388, 0.2226,
0.3180

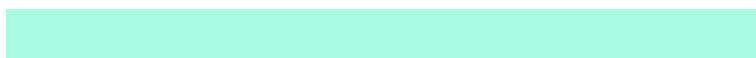
99.9987, 0.3127,
0.3290

■ 72.7503, 0.2214,
0.3170

Harmonies

Analogous

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



82.6984, 0.2789, 0.3586



82.6984, 0.2554, 0.3244



82.6984, 0.2467, 0.2941

Triad

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



82.6984, 0.2554, 0.3244



82.6984, 0.3100, 0.2808



82.6984, 0.3735, 0.3816

Complementary

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



82.6984, 0.2554, 0.3244



46.5212, 0.4176, 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.



82.6984, 0.3835, 0.3579



82.6984, 0.2554, 0.3244



82.6984, 0.3457, 0.3014

Square

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



82.6984, 0.2554, 0.3244



82.6984, 0.2768, 0.2714



82.6984, 0.3732, 0.3289



82.6984, 0.3470, 0.3925

Rectangle

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



82.6984, 0.2554, 0.3244



82.6984, 0.2500, 0.2802



82.6984, 0.3732, 0.3289



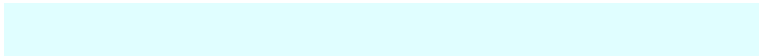
82.6984, 0.3789, 0.3747

Sweetspot

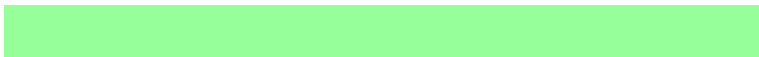
The Sweet Spot groups the original color and five complimentary colors.



82.7016, 0.2554, 0.3244



93.9180, 0.2942, 0.3278



80.2957, 0.3050, 0.4527



19.9722, 0.2923, 0.3277



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

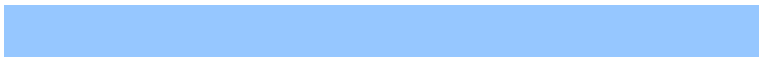
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7016, 0.2554, 0.3244



80.5231, 0.2472, 0.3234



54.5129, 0.2453, 0.2621



20.3571, 0.2980, 0.3281



38.0723, 0.2214, 0.3172



3.7421, 0.2218, 0.3186

Inverse Universe

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



50.0049, 0.3207, 0.2306



44.1591, 0.3224, 0.2140



67.5713, 0.3940, 0.3870



18.2879, 0.3144, 0.3065



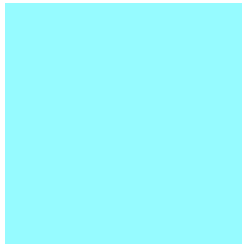
14.5714, 0.3306, 0.1595



1.4223, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 82.6984, 0.2554, 0.3244 looks on a white background.

Color Contrast Check

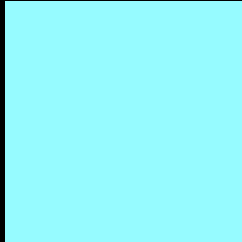
Large Text (above 18pt) WCAG AA × Fail

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 82.6984, 0.2554, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

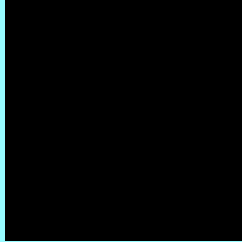
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6984, 0.2554, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 82.6984, 0.2554, 0.3244.

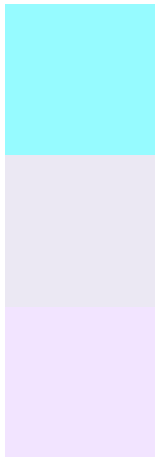


This preview shows how white text looks on a background with the Yxy color 82.6984, 0.2554, 0.3244.

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

82.6984, 0.2554, 0.3244

Protanopia

81.8465, 0.3079, 0.3178

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

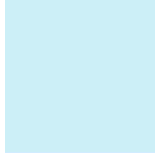
82.3976, 0.2746, 0.3160

Trichromacy



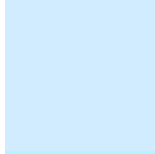
Original Color

82.6984, 0.2554, 0.3244



Protanomaly

81.2858, 0.2860, 0.3204



Deuteranomaly

80.7662, 0.2844, 0.3090



Tritanomaly

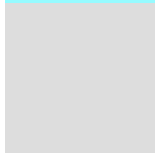
82.3616, 0.2669, 0.3191

Monochromacy



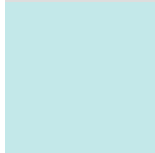
Original Color

82.6984, 0.2554, 0.3244



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.1985, 0.2880, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6984, 0.2554, 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(150, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6984, 0.2554, 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(150, 251, 255) }
```

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

```
.border{ border-color:rgb(150, 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(150, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6984, 0.2554, 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(150, 251, 255) }
```

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

```
.background{ background-color: rgb(150,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor