

Converting Colors

$Yxy(82.3685, 0.2541, 0.3210)$

Have a look what the booklet for
Yxy(82.3685, 0.2541, 0.3210)
contains.

Yxy(82.0752, 0.2552, 0.3232)	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(82.0752, 0.2552, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	96FAFF
RGB	150, 250, 255
RGB Percent	59%, 98%, 100%
CMY	0.4121, 0.0196, 0.0000
CMYK	0.41, 0.02, 0.00, 0.00
HSL	183°, 100%, 79%
HSV	183°, 41%, 100%
XYZ	64.8069, 82.0752, 107.0634
YIQ	220.6700, -61.2050, -19.6450

Conversions

Conversions Part 2

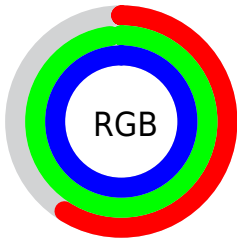
Format	Color
R _Y B	150, 201, 255
Decimal	9894655
CIE Lab	92.61, -28.06, -11.62
CIE LCh	93, 30.371, 202.504
Yxy	82.0752, 0.2552, 0.3232
Android (android.graphics.Color)	4288084735 (0xFF96FAFF)
YUV	220.6700, 16.9247, -61.9776
Hunter-Lab	90.5954, -30.8529, -6.6508

Details

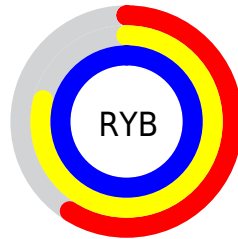
The Yxy color **82.0752, 0.2552, 0.3232** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8732, 0.4171, 0.3345**, and the grayscale version is **71.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **44.4413, 0.2429, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **79.1661, 0.2448, 0.3217**, and if you desaturate by 10%, it is **85.5171, 0.2673, 0.3248**.

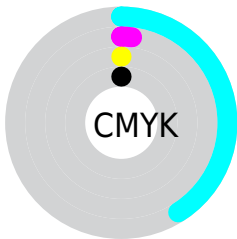
Distribution



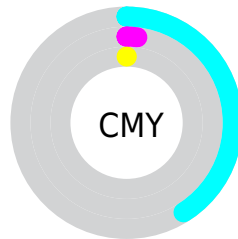
- Red (59%)
- Green (98%)
- Blue (100%)



- 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 82.0752, 0.2552, 0.3232 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 82.0752, 0.2552, 0.3232 by changing the saturation by 10% instead.


 82.0752, 0.2552,
0.3232


 82.0752, 0.2552,
0.3232


501.8992, 0.2807,
0.3264

 61.4275, 0.2496,
0.3224

 136.2795, 0.2638,
0.3244

 44.5703, 0.2429,
0.3213


 170.6048, 0.2673,
0.3249

 31.1191, 0.2345,
0.3198


210.2582, 0.2702,
0.3252

 20.6896, 0.2239,
0.3177

255.6240, 0.2729,
0.3255

 12.8973, 0.2101,
0.3148

307.0866, 0.2752,
0.3258

 7.3578, 0.1915,
0.3101

365.0304, 0.2772,

 3.6869, 0.1650,

0.3260

0.3020

429.8398, 0.2791,
0.3262

■ 1.5000, 0.1229,
0.2872

■ 0.2887, 0.0000,
0.2026

■ 82.0752, 0.2552,
0.3232

■ 82.0752, 0.2552,
0.3232

■ 79.1661, 0.2448,
0.3217

■ 85.5171, 0.2673,
0.3248

■ 76.7527, 0.2361,
0.3200

■ 89.5205, 0.2808,
0.3262

■ 74.7971, 0.2295,
0.3184

■ 94.1153, 0.2954,
0.3276

■ 73.2551, 0.2248,
0.3168

■ 99.3284, 0.3108,
0.3289

■ 72.0734, 0.2219,
0.3152

100.0000, 0.3127,
0.3290

■ 71.2593, 0.2205,
0.3138

Harmonies

Analogous

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



82.0752, 0.2781, 0.3572



82.0752, 0.2552, 0.3232



82.0752, 0.2472, 0.2934

Triad

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



82.0752, 0.2552, 0.3232



82.0752, 0.3113, 0.2818



82.0752, 0.3723, 0.3819

Complementary

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



82.0752, 0.2552, 0.3232



46.8732, 0.4171, 0.3345

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.



82.0752, 0.3829, 0.3587



82.0752, 0.2552, 0.3232



82.0752, 0.3467, 0.3025

Square

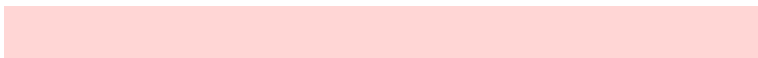
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0752, 0.2552, 0.3232



82.0752, 0.2781, 0.2719



82.0752, 0.3735, 0.3300



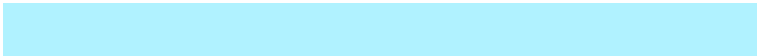
82.0752, 0.3456, 0.3921

Rectangle

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



82.0752, 0.2552, 0.3232



82.0752, 0.2508, 0.2799



82.0752, 0.3735, 0.3300



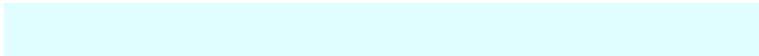
82.0752, 0.3779, 0.3753

Sweetspot

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



82.0761, 0.2552, 0.3232



93.7281, 0.2942, 0.3275



80.3110, 0.3050, 0.4527



19.9272, 0.2923, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

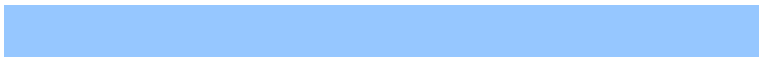
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0761, 0.2552, 0.3232



79.7640, 0.2469, 0.3220



54.5255, 0.2453, 0.2621



20.3249, 0.2980, 0.3278



37.2992, 0.2206, 0.3141



3.6754, 0.2211, 0.3159

Inverse Universe

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



49.9518, 0.3216, 0.2315



44.0825, 0.3234, 0.2149



67.5854, 0.3940, 0.3870



18.2846, 0.3145, 0.3067



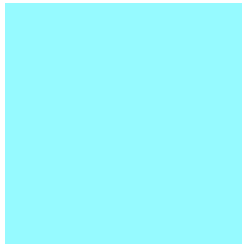
14.4933, 0.3332, 0.1609



1.4156, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 82.0752, 0.2552, 0.3232 looks on a white background.

Color Contrast Check

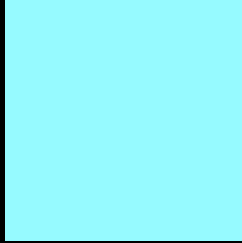
Large Text (above 18pt) WCAG AA × Fail

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 82.0752, 0.2552, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

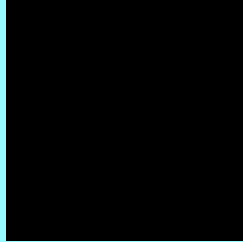
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0752, 0.2552, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 82.0752, 0.2552, 0.3232.

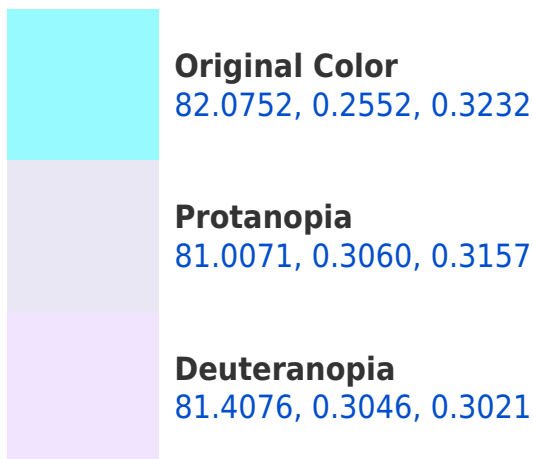


This preview shows how white text looks on a background with the Yxy color 82.0752, 0.2552, 0.3232.

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





Tritanopia

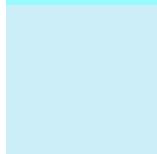
81.5431, 0.2734, 0.3149

Trichromacy



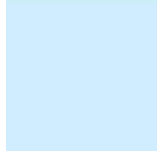
Original Color

82.0752, 0.2552, 0.3232



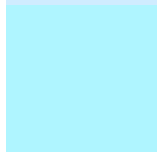
Protanomaly

80.6229, 0.2848, 0.3182



Deuteranomaly

80.6208, 0.2838, 0.3090



Tritanomaly

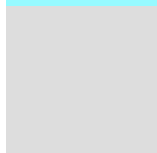
81.6388, 0.2663, 0.3179

Monochromacy



Original Color

82.0752, 0.2552, 0.3232



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 82.0752, 0.2552, 0.3232 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.0752, 0.2552, 0.3232 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, 250, 255) }
```

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

```
.border{ border-color:rgb(150, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 250,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.0752, 0.2552, 0.3232$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 250, 255) }
```

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

```
.background{ background-color: rgb(150,  
250, 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