

Converting Colors

$Yxy(90.4755, 0.2247, 0.2394)$

Have a look what the booklet for
Yxy(90.4755, 0.2247, 0.2394)
contains.

Yxy(83.0648, 0.2597, 0.3233)	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(83.0648, 0.2597, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	A0FAFF
RGB	160, 250, 255
RGB Percent	63%, 98%, 100%
CMY	0.3728, 0.0195, 0.0000
CMYK	0.37, 0.02, 0.00, 0.00
HSL	183°, 100%, 81%
HSV	183°, 37%, 100%
XYZ	66.7242, 83.0648, 107.1389
YIQ	223.6600, -55.2450, -17.5250

Conversions

Conversions Part 2

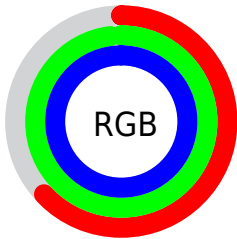
Format	Color
RYB	160, 206, 255
Decimal	10550015
CIELab	93.04, -25.64, -10.92
CIELCh	93, 27.865, 203.076
Yxy	83.0648, 0.2597, 0.3233
Android (android.graphics.Color)	4288740095 (0xFFA0FAFF)
YUV	223.6600, 15.4506, -55.8298
Hunter-Lab	91.1399, -28.8137, -5.9001

Details

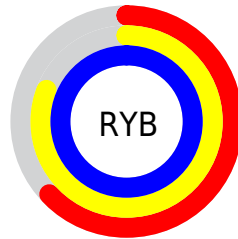
The Yxy color **83.0648, 0.2597, 0.3233** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.6756, 0.4028, 0.3345**, and the grayscale version is **74.1936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **45.1007, 0.2485, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **79.8760, 0.2485, 0.3216**, and if you desaturate by 10%, it is **86.8024, 0.2724, 0.3250**.

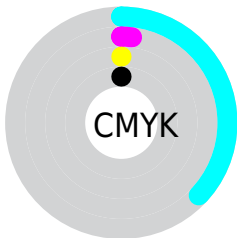
Distribution



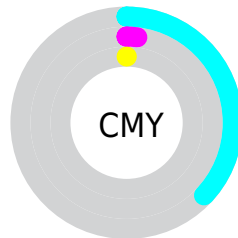
- Red (63%)
- Green (98%)
- Blue (100%)



- Red (63%)
- Yellow (81%)
- Blue (100%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0648, 0.2597, 0.3233 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 83.0648, 0.2597, 0.3233 by changing the saturation by 10% instead.

 83.0648, 0.2597,
0.3233


 83.0648, 0.2597,
0.3233


505.2025, 0.2832,
0.3264

 62.2436, 0.2546,
0.3225


 137.6662, 0.2677,
0.3244

 45.2296, 0.2483,
0.3215


 172.2152, 0.2708,
0.3249

 31.6383, 0.2406,
0.3201

212.1090, 0.2736,
0.3252

 21.0854, 0.2309,
0.3182

257.7318, 0.2760,
0.3255

 13.1864, 0.2181,
0.3155

309.4682, 0.2781,
0.3258

 7.5570, 0.2008,
0.3113

367.7025, 0.2800,

 3.8128, 0.1761,

0.3260

0.3041

432.8191, 0.2817,
0.3262

1.5694, 0.1381,
0.2904

0.3369, 0.0000,
0.2281

83.0648, 0.2597,
0.3233

83.0648, 0.2597,
0.3233

79.8760, 0.2485,
0.3216

86.8024, 0.2724,
0.3250

77.1967, 0.2391,
0.3198

91.1131, 0.2864,
0.3266

74.9922, 0.2316,
0.3180

96.0270, 0.3014,
0.3280

73.2204, 0.2261,
0.3162

100.0000, 0.3127,
0.3290

■ 71.8322, 0.2224,
0.3145

■ 70.7641, 0.2205,
0.3127

■ 70.5032, 0.2201,
0.3122

Harmonies

Analogous

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



83.0648, 0.2806, 0.3541



83.0648, 0.2597, 0.3233



83.0648, 0.2525, 0.2962

Triad

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



83.0648, 0.2597, 0.3233



83.0648, 0.3122, 0.2858



83.0648, 0.3669, 0.3779

Complementary

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



83.0648, 0.2597, 0.3233



50.6756, 0.4028, 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.



83.0648, 0.3768, 0.3569



83.0648, 0.2597, 0.3233



83.0648, 0.3444, 0.3052

Square

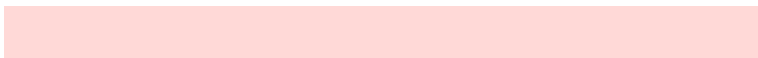
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0648, 0.2597, 0.3233



83.0648, 0.2816, 0.2765



83.0648, 0.3685, 0.3306



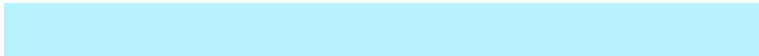
83.0648, 0.3424, 0.3865

Rectangle

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



83.0648, 0.2597, 0.3233



83.0648, 0.2561, 0.2839



83.0648, 0.3685, 0.3306



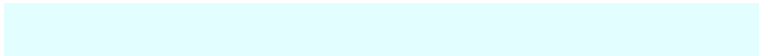
83.0648, 0.3721, 0.3719

Sweetspot

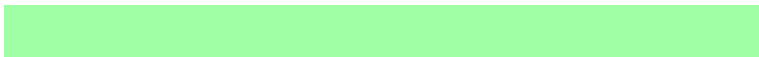
The Sweet Spot groups the original color and five complimentary colors.



83.0668, 0.2597, 0.3233



94.1279, 0.2957, 0.3275



81.6916, 0.3050, 0.4371



20.0036, 0.2937, 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.



83.0668, 0.2597, 0.3233



80.5579, 0.2509, 0.3220



57.2624, 0.2516, 0.2677



20.3085, 0.2980, 0.3277



36.9104, 0.2202, 0.3125



3.6419, 0.2207, 0.3145

Inverse Universe

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



53.2807, 0.3210, 0.2407



46.9278, 0.3230, 0.2237



70.9921, 0.3840, 0.3830



18.2830, 0.3146, 0.3068



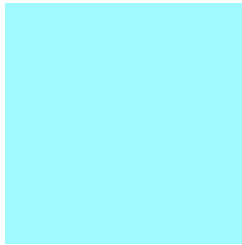
14.4541, 0.3345, 0.1617



1.4122, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 83.0648, 0.2597, 0.3233 looks on a white background.

Color Contrast Check

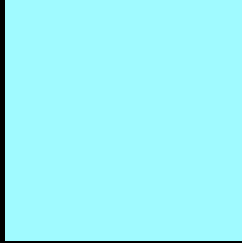
Large Text (above 18pt) WCAG AA × Fail

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 83.0648, 0.2597, 0.3233 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

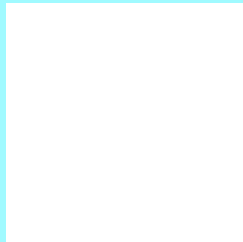
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0648, 0.2597, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 83.0648, 0.2597, 0.3233.

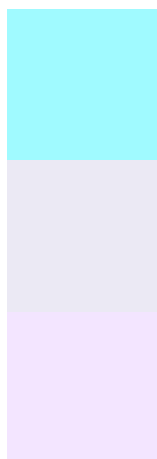


This preview shows how white text looks on a background with the Yxy color 83.0648, 0.2597, 0.3233.

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

83.0648, 0.2597, 0.3233

Protanopia

82.4716, 0.3072, 0.3178

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

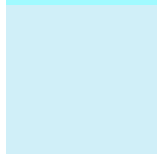
82.3264, 0.2767, 0.3150

Trichromacy



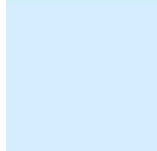
Original Color

83.0648, 0.2597, 0.3233



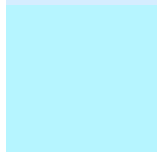
Protanomaly

81.9202, 0.2878, 0.3194



Deuteranomaly

81.9345, 0.2869, 0.3102



Tritanomaly

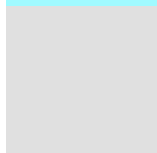
82.4699, 0.2699, 0.3180

Monochromacy



Original Color

83.0648, 0.2597, 0.3233



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.6935, 0.2907, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0648, 0.2597, 0.3233 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(160, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.0648, 0.2597, 0.3233 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(160, 250, 255) }
```

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

```
.border{ border-color:rgb(160, 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(160, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0648, 0.2597, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 250, 255) }
```

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

```
.background{ background-color: rgb(160,  
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