

Converting Colors

$Y_{xy}(100.0000, 0.2652, 0.3783)$

Have a look what the booklet for
Yxy(100.0000, 0.2652, 0.3783)
contains.

Yxy(83.1809, 0.2613, 0.3520)	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(83.1809, 0.2613, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	8DFFEB
RGB	141, 255, 235
RGB Percent	55%, 100%, 92%
CMY	0.4467, 0.0000, 0.0785
CMYK	0.45, 0.00, 0.08, 0.00
HSL	169°, 100%, 78%
HSV	169°, 45%, 100%
XYZ	61.7476, 83.1809, 91.3808
YIQ	218.6340, -61.5240, -30.3880

Conversions

Conversions Part 2

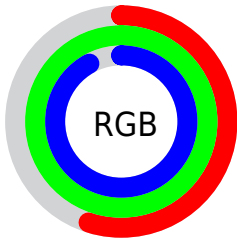
Format	Color
RYB	141, 203, 255
Decimal	9306091
CIELab	93.09, -37.19, -0.56
CIELCh	93, 37.193, 180.862
Yxy	83.1809, 0.2613, 0.3520
Android (android.graphics.Color)	4287496171 (0xFF8DFFEB)
YUV	218.6340, 8.0684, -68.0850
Hunter-Lab	91.2036, -38.7562, 4.4373

Details

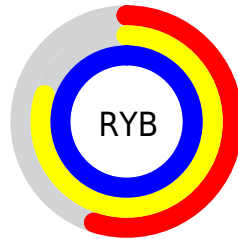
The Yxy color **83.1809, 0.2613, 0.3520** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.9112, 0.4112, 0.3084**, and the grayscale version is **70.5612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **45.3922, 0.2501, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **80.9429, 0.2533, 0.3581**, and if you desaturate by 10%, it is **85.9466, 0.2709, 0.3462**.

Distribution



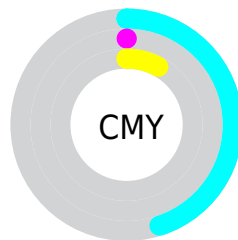
- Red (55%)
- Green (100%)
- Blue (92%)



- Red (55%)
- Yellow (80%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1809, 0.2613, 0.3520 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 83.1809, 0.2613, 0.3520 by changing the saturation by 10% instead.


 83.1809, 0.2613,
0.3520

 83.1809, 0.2613,
0.3520


505.5892, 0.2844,
0.3417

 62.3394, 0.2562,
0.3543


 137.8288, 0.2692,
0.3485

 45.3070, 0.2500,
0.3570


 172.4040, 0.2723,
0.3471

 31.6993, 0.2423,
0.3604


212.3258, 0.2750,
0.3459

 21.1319, 0.2324,
0.3648

257.9788, 0.2773,
0.3449

 13.2205, 0.2193,
0.3705

309.7472, 0.2794,
0.3440

 7.5805, 0.2014,
0.3784


368.0155, 0.2812,


 3.8277, 0.1753,


0.3431


0.3897


433.1680, 0.2829,
0.3424


 1.5777, 0.1229,
0.4126


 0.3425, 0.0000,
0.4539


 83.1809, 0.2613,
0.3520

 83.1809, 0.2613,
0.3520


 80.9429, 0.2533,
0.3581


 85.9466, 0.2709,
0.3462

 79.1869, 0.2472,
0.3644

 89.2626, 0.2818,
0.3407

 77.8758, 0.2430,
0.3708

 93.1620, 0.2938,
0.3357

 76.9627, 0.2408,
0.3772

 97.6723, 0.3066,
0.3310

■ 76.3896, 0.2404,
0.3835

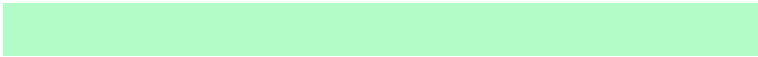
99.9970, 0.3127,
0.3290

■ 76.1794, 0.2408,
0.3869

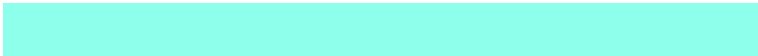
Harmonies

Analogous

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



83.1809, 0.2983, 0.3890



83.1809, 0.2613, 0.3520



83.1809, 0.2387, 0.3101

Triad

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



83.1809, 0.2613, 0.3520



83.1809, 0.2808, 0.2622



83.1809, 0.3971, 0.3730

Complementary

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



83.1809, 0.2613, 0.3520



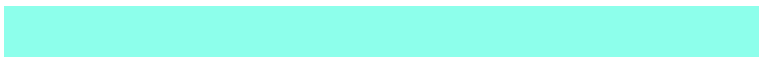
42.9112, 0.4112, 0.3084

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.



83.1809, 0.3927, 0.3393



83.1809, 0.2613, 0.3520



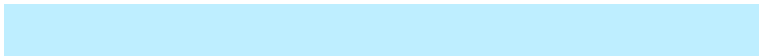
83.1809, 0.3230, 0.2781

Square

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



83.1809, 0.2613, 0.3520



83.1809, 0.2494, 0.2615



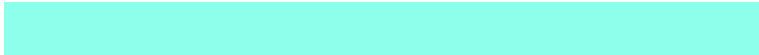
83.1809, 0.3648, 0.3055



83.1809, 0.3774, 0.3985

Rectangle

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



83.1809, 0.2613, 0.3520



83.1809, 0.2338, 0.2869



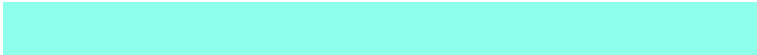
83.1809, 0.3648, 0.3055



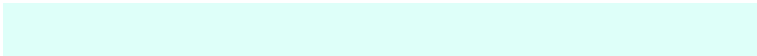
83.1809, 0.3985, 0.3622

Sweetspot

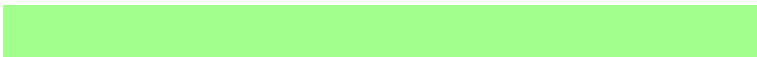
The Sweet Spot groups the original color and five complimentary colors.



83.1842, 0.2613, 0.3520



93.8764, 0.2959, 0.3348



81.1208, 0.3178, 0.4647



19.8933, 0.2932, 0.3359



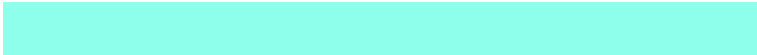
0.0000, 0.0000, 0.0000



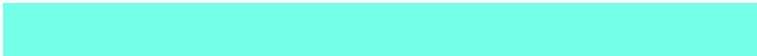
21.4041, 0.3127, 0.3290

Same Dimension

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



83.1842, 0.2613, 0.3520



81.0811, 0.2538, 0.3577



63.5135, 0.2450, 0.2863



20.4234, 0.3004, 0.3332



39.8271, 0.2405, 0.3859



3.8916, 0.2385, 0.3786

Inverse Universe

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



42.9112, 0.4112, 0.3084



35.9905, 0.4446, 0.3049



54.6913, 0.4147, 0.3670



18.0392, 0.3267, 0.3248



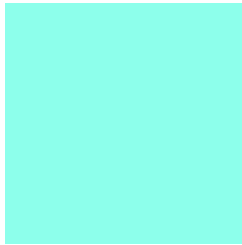
11.2220, 0.6141, 0.3156



1.1063, 0.5855, 0.2999

Previews

White Background



This preview shows how the Yxy color 83.1809, 0.2613, 0.3520 looks on a white background.

Color Contrast Check

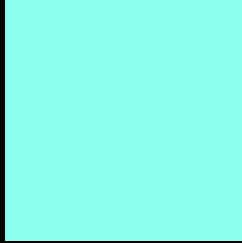
Large Text (above 18pt) WCAG AA × Fail

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 83.1809, 0.2613, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

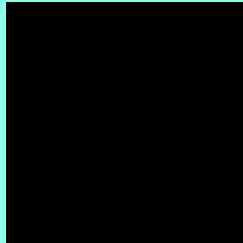
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

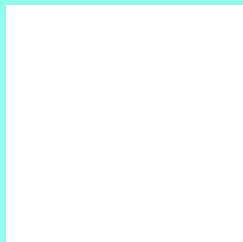
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1809, 0.2613, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 83.1809, 0.2613, 0.3520.

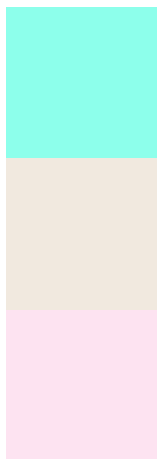


This preview shows how white text looks on a background with the Yxy color 83.1809, 0.2613, 0.3520.

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

83.1809, 0.2613, 0.3520

Protanopia

82.3063, 0.3246, 0.3393

Deuteranopia

82.1717, 0.3217, 0.3152



Tritanopia

82.5277, 0.2751, 0.3161

Trichromacy



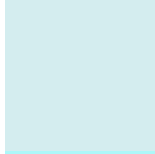
Original Color

83.1809, 0.2613, 0.3520



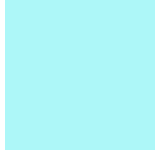
Protanomaly

81.4358, 0.2979, 0.3442



Deuteranomaly

80.7974, 0.2953, 0.3268



Tritanomaly

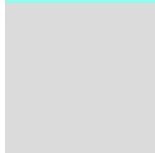
82.1831, 0.2690, 0.3278

Monochromacy



Original Color

83.1809, 0.2613, 0.3520



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2258, 0.2901, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1809, 0.2613, 0.3520 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(141, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 235)  
}
```

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(141, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.1809, 0.2613, 0.3520 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(141, 255, 235) }
```

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

```
.border{ border-color:rgb(141, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(141, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1809, 0.2613, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 235) }
```

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

```
.background{ background-color: rgb(141,  
255, 235) }
```

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