

Converting Colors

$Yxy(81.5409, 0.2550, 0.3556)$

Have a look what the booklet for
Yxy(81.5409, 0.2550, 0.3556)
contains.

Yxy(81.4838, 0.2550, 0.3561)	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(81.4838, 0.2550, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	7AFFE8
RGB	122, 255, 232
RGB Percent	48%, 100%, 91%
CMY	0.5216, 0.0000, 0.0902
CMYK	0.52, 0.00, 0.09, 0.00
HSL	170°, 100%, 74%
HSV	170°, 52%, 100%
XYZ	58.3498, 81.4838, 88.9892
YIQ	212.6110, -71.8850, -35.3490

Conversions

Conversions Part 2

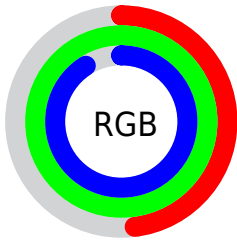
Format	Color
RYB	122, 195, 255
Decimal	8060904
CIELab	92.35, -42.06, -0.19
CIELCh	92, 42.062, 180.255
Yxy	81.4838, 0.2550, 0.3561
Android (android.graphics.Color)	4286250984 (0xFF7AFFE8)
YUV	212.6110, 9.5588, -79.4658
Hunter-Lab	90.2684, -42.5866, 4.7381

Details

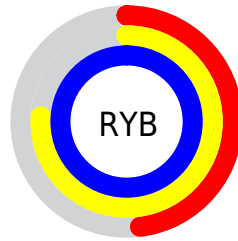
The Yxy color **81.4838, 0.2550, 0.3561** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.2234, 0.4381, 0.3059**, and the grayscale version is **66.2359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **44.3350, 0.2426, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **79.6121, 0.2484, 0.3622**, and if you desaturate by 10%, it is **83.8489, 0.2634, 0.3502**.

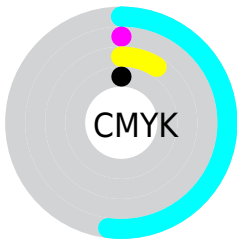
Distribution



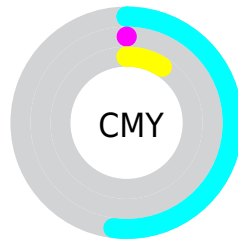
- Red (48%)
- Green (100%)
- Blue (91%)



- Red (48%)
- Yellow (76%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4838, 0.2550, 0.3561 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 81.4838, 0.2550, 0.3561 by changing the saturation by 10% instead.


 81.4838, 0.2550,
0.3561


 81.4838, 0.2550,
0.3561


499.9194, 0.2810,
0.3439


 60.9401, 0.2492,
0.3588


 135.4499, 0.2639,
0.3519

 44.1769, 0.2422,
0.3621


 169.6411, 0.2674,
0.3503

 30.8096, 0.2335,
0.3662


 209.1502, 0.2704,
0.3489

 20.4539, 0.2223,
0.3714

254.3618, 0.2730,
0.3477

 12.7254, 0.2076,
0.3782

305.6601, 0.2754,
0.3466

 7.2397, 0.1874,
0.3877

363.4295, 0.2774,

 3.6125, 0.1580,

0.3456

0.4013

428.0545, 0.2793,
0.3447

■ 1.4592, 0.0816,
0.4371

■ 0.2598, 0.0000,
0.4675

■ 81.4838, 0.2550,
0.3561

■ 81.4838, 0.2550,
0.3561

■ 79.6121, 0.2484,
0.3622

■ 83.8489, 0.2634,
0.3502

■ 78.1964, 0.2436,
0.3685


■ 86.7439, 0.2734,
0.3445


■ 77.1910, 0.2409,
0.3748

■ 90.2001, 0.2847,
0.3392

■ 76.5415, 0.2401,
0.3811

■ 94.2465, 0.2969,
0.3344

 76.2175, 0.2405,
0.3859

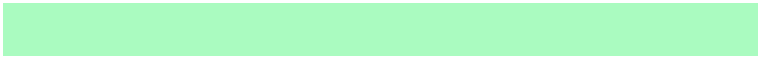
 98.9105, 0.3099,
0.3299

100.0000, 0.3127,
0.3290

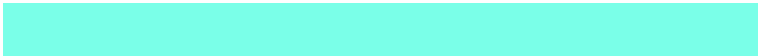
Harmonies

Analogous

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



81.4838, 0.2969, 0.3988



81.4838, 0.2550, 0.3561



81.4838, 0.2295, 0.3078

Triad

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



81.4838, 0.2550, 0.3561



81.4838, 0.2755, 0.2537



81.4838, 0.4088, 0.3773

Complementary

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



81.4838, 0.2550, 0.3561



37.2234, 0.4381, 0.3059

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.



81.4838, 0.4036, 0.3391



81.4838, 0.2550, 0.3561



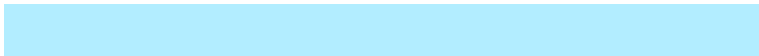
81.4838, 0.3231, 0.2712

Square

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



81.4838, 0.2550, 0.3561



81.4838, 0.2407, 0.2529



81.4838, 0.3712, 0.3015



81.4838, 0.3866, 0.4072

Rectangle

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



81.4838, 0.2550, 0.3561



81.4838, 0.2239, 0.2814



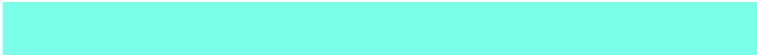
81.4838, 0.3712, 0.3015



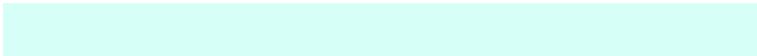
81.4838, 0.4104, 0.3650

Sweetspot

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



81.4833, 0.2550, 0.3561



92.6200, 0.2921, 0.3362



79.0712, 0.3175, 0.4904



19.6459, 0.2896, 0.3372



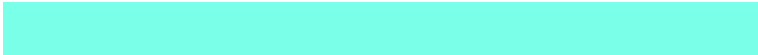
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4833, 0.2550, 0.3561



79.4758, 0.2479, 0.3628



58.8872, 0.2350, 0.2777



20.4243, 0.3003, 0.3331



39.8451, 0.2403, 0.3849



3.8931, 0.2383, 0.3778

Inverse Universe

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



37.2234, 0.4381, 0.3059



30.7364, 0.4815, 0.3033



49.2576, 0.4392, 0.3727



18.0384, 0.3267, 0.3249



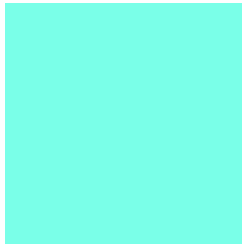
11.2191, 0.6147, 0.3160



1.1059, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 81.4838, 0.2550, 0.3561 looks on a white background.

Color Contrast Check

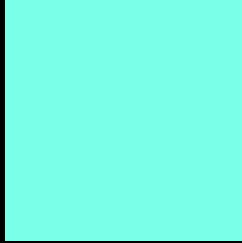
Large Text (above 18pt) WCAG AA × Fail

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 81.4838, 0.2550, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

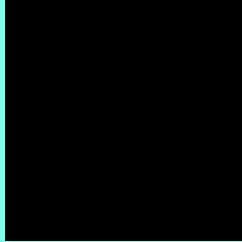
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

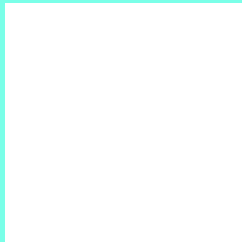
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4838, 0.2550, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 81.4838, 0.2550, 0.3561.

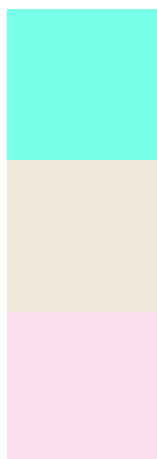


This preview shows how white text looks on a background with the Yxy color 81.4838, 0.2550, 0.3561.

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

81.4838, 0.2550, 0.3561

Protanopia

80.5645, 0.3266, 0.3425

Deuteranopia

80.0525, 0.3218, 0.3141



Tritanopia

80.5480, 0.2690, 0.3147

Trichromacy



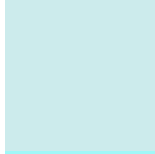
Original Color

81.4838, 0.2550, 0.3561



Protanomaly

79.3837, 0.2946, 0.3478



Deuteranomaly

78.3102, 0.2920, 0.3279



Tritanomaly

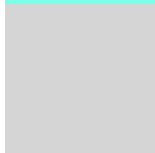
80.7105, 0.2630, 0.3289

Monochromacy



Original Color

81.4838, 0.2550, 0.3561



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3574, 0.2860, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4838, 0.2550, 0.3561 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(122, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 232)  
}
```

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(122, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 81.4838, 0.2550, 0.3561 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(122, 255, 232) }
```

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

```
.border{ border-color:rgb(122, 255, 232) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4838, 0.2550, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 232) }
```

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

```
.background{ background-color: rgb(122,  
255, 232) }
```

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