

Converting Colors

$Y_{xy}(80.5473, 0.2569, 0.3210)$

Have a look what the booklet for
Yxy(80.5473, 0.2569, 0.3210)
contains.

Yxy(80.5473, 0.2569, 0.3210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5473, 0.2569, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	9AF7FE
RGB	154, 247, 254
RGB Percent	60%, 97%, 100%
CMY	0.3964, 0.0313, 0.0039
CMYK	0.39, 0.03, 0.00, 0.00
HSL	184°, 98%, 80%
HSV	184°, 39%, 100%
XYZ	64.4629, 80.5473, 105.9159
YIQ	219.9910, -57.6750, -17.5390

Conversions

Conversions Part 2

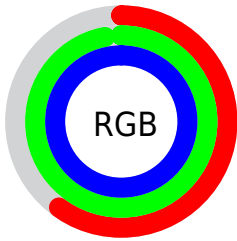
Format	Color
RYB	154, 202, 254
Decimal	10156030
CIELab	91.93, -25.92, -12.08
CIELCh	92, 28.593, 204.993
Yxy	80.5473, 0.2569, 0.3210
Android (android.graphics.Color)	4288346110 (0xFF9AF7FE)
YUV	219.9910, 16.7664, -57.8741
Hunter-Lab	89.7481, -28.8490, -7.1472

Details

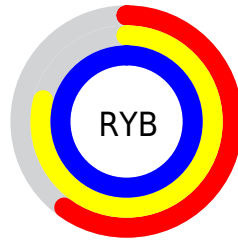
The Yxy color **80.5473, 0.2569, 0.3210** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8524, 0.4095, 0.3367**, and the grayscale version is **71.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **43.3449, 0.2448, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **77.2395, 0.2459, 0.3187**, and if you desaturate by 10%, it is **84.3989, 0.2695, 0.3232**.

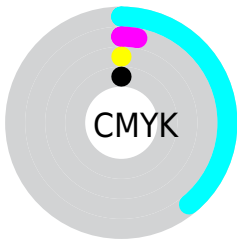
Distribution



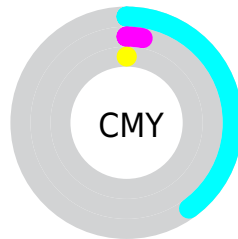
- Red (60%)
- Green (97%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (39%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5473, 0.2569, 0.3210 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 80.5473, 0.2569, 0.3210 by changing the saturation by 10% instead.


 80.5473, 0.2569,
0.3210


 80.5473, 0.2569,
0.3210


496.7754, 0.2818,
0.3252

 60.1688, 0.2515,
0.3199


 134.1349, 0.2653,
0.3225

 43.5547, 0.2448,
0.3186

 168.1129, 0.2687,
0.3231

 30.3206, 0.2366,
0.3168


207.3928, 0.2716,
0.3236

 20.0821, 0.2262,
0.3143

252.3590, 0.2741,
0.3240

 12.4547, 0.2126,
0.3108

303.3960, 0.2764,
0.3244

 7.0542, 0.1941,
0.3053


360.8881, 0.2784,


 3.4960, 0.1677,

0.3247

0.2961


425.2198, 0.2802,
0.3250


 1.3958, 0.1247,
0.2796


 0.2136, 0.0000,
0.1649


 80.5473, 0.2569,
0.3210


 80.5473, 0.2569,
0.3210


 77.2395, 0.2459,
0.3187


 84.3989, 0.2695,
0.3232

 74.4323, 0.2367,
0.3163

 88.8154, 0.2833,
0.3253

 72.0916, 0.2293,
0.3139

 93.8284, 0.2982,
0.3273

 70.1745, 0.2240,
0.3115

99.3676, 0.3133,
0.3291

■ 68.6302, 0.2205,
0.3091

99.9359, 0.3133,
0.3300

■ 67.3806, 0.2186,
0.3068

■ 67.3103, 0.2185,
0.3066

Harmonies

Analogous

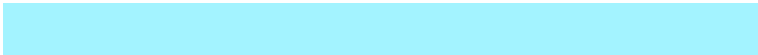
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5473, 0.2777, 0.3531



80.5473, 0.2569, 0.3210



80.5473, 0.2505, 0.2935

Triad

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



80.5473, 0.2569, 0.3210



80.5473, 0.3143, 0.2854



80.5473, 0.3676, 0.3806

Complementary

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



80.5473, 0.2569, 0.3210



48.8524, 0.4095, 0.3367

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.



80.5473, 0.3791, 0.3595



80.5473, 0.2569, 0.3210



80.5473, 0.3475, 0.3059

Square

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



80.5473, 0.2569, 0.3210



80.5473, 0.2823, 0.2750



80.5473, 0.3717, 0.3324



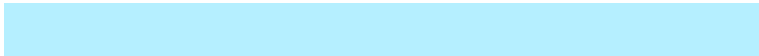
80.5473, 0.3414, 0.3887

Rectangle

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



80.5473, 0.2569, 0.3210



80.5473, 0.2548, 0.2813



80.5473, 0.3717, 0.3324



80.5473, 0.3734, 0.3747

Sweetspot

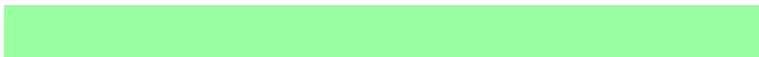
The Sweet Spot groups the original color and five complimentary colors.



80.5505, 0.2569, 0.3210



93.2969, 0.2942, 0.3268



80.3043, 0.3037, 0.4423



19.8249, 0.2923, 0.3266



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

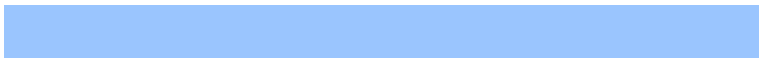
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5505, 0.2569, 0.3210



78.6847, 0.2484, 0.3192



54.0774, 0.2477, 0.2615



20.2516, 0.2980, 0.3273



35.5772, 0.2186, 0.3070



3.5265, 0.2194, 0.3097

Inverse Universe

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



50.8685, 0.3230, 0.2374



45.3230, 0.3253, 0.2212



69.8050, 0.3883, 0.3877



18.2772, 0.3149, 0.3072



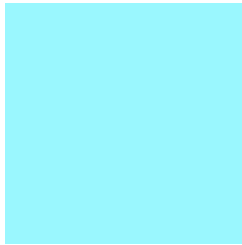
14.3195, 0.3393, 0.1643



1.4005, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 80.5473, 0.2569, 0.3210 looks on a white background.

Color Contrast Check

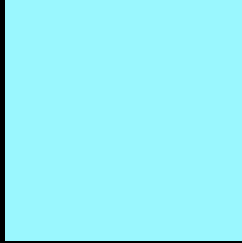
Large Text (above 18pt) WCAG AA × Fail

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 80.5473, 0.2569, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

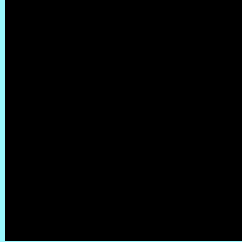
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5473, 0.2569, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 80.5473, 0.2569, 0.3210.

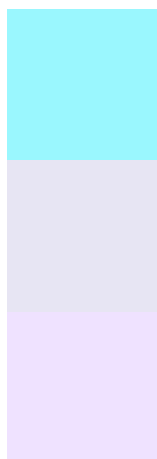


This preview shows how white text looks on a background with the Yxy color 80.5473, 0.2569, 0.3210.

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

80.5473, 0.2569, 0.3210

Protanopia

79.4986, 0.3053, 0.3146

Deuteranopia

79.9634, 0.3033, 0.3000



Tritanopia

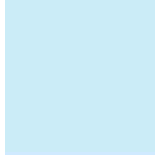
80.3209, 0.2705, 0.3137

Trichromacy



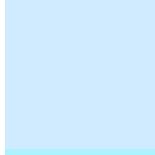
Original Color

80.5473, 0.2569, 0.3210



Protanomaly

79.4028, 0.2852, 0.3171



Deuteranomaly

79.4755, 0.2837, 0.3068



Tritanomaly

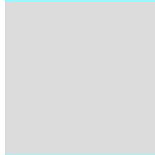
80.2054, 0.2650, 0.3157

Monochromacy



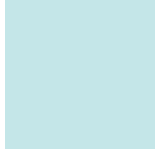
Original Color

80.5473, 0.2569, 0.3210



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.1556, 0.2891, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5473, 0.2569, 0.3210 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(154, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(154, 247, 254)  
}
```

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(154, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 247, 254) }
```

Border

The CSS property to change the border of an element to Yxy 80.5473, 0.2569, 0.3210 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(154, 247, 254) }
```

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

```
.border{ border-color:rgb(154, 247, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 247, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 247, 254);  
box-shadow:4px 4px 4px 4px rgb(154, 247,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5473, 0.2569, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 247, 254) }
```

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

```
.background{ background-color: rgb(154,  
247, 254) }
```

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