

Converting Colors

$Y_{xy}(78.7920, 0.2457, 0.3205)$

Have a look what the booklet for
Yxy(78.7920, 0.2457, 0.3205)
contains.

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Color

Yxy(78.9440, 0.2459, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	80F8FF
RGB	128, 248, 255
RGB Percent	50%, 97%, 100%
CMY	0.4981, 0.0274, 0.0001
CMYK	0.50, 0.03, 0.00, 0.00
HSL	183°, 100%, 75%
HSV	183°, 50%, 100%
XYZ	60.5122, 78.9440, 106.6285
YIQ	212.9180, -73.7670, -23.2630

Conversions

Conversions Part 2

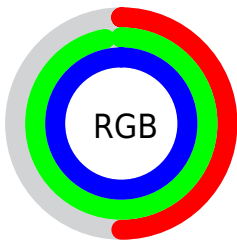
Format	Color
RYB	128, 190, 255
Decimal	8452351
CIELab	91.21, -31.97, -13.77
CIELCh	91, 34.810, 203.296
Yxy	78.9440, 0.2459, 0.3208
Android (android.graphics.Color)	4286642431 (0xFF80F8FF)
YUV	212.9180, 20.7464, -74.4731
Hunter-Lab	88.8504, -33.9195, -8.9580

Details

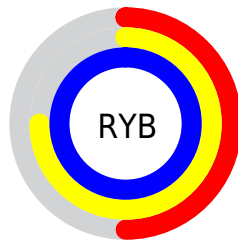
The Yxy color **78.9440, 0.2459, 0.3208** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.1224, 0.4511, 0.3365**, and the grayscale version is **66.3747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **42.3956, 0.2317, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **76.3566, 0.2369, 0.3189**, and if you desaturate by 10%, it is **82.0405, 0.2567, 0.3226**.

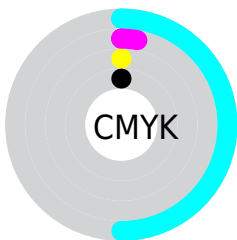
Distribution



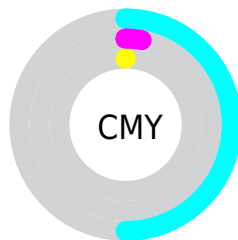
- Red (50%)
- Green (97%)
- Blue (100%)



- Red (50%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9440, 0.2459, 0.3208 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 78.9440, 0.2459, 0.3208 by changing the saturation by 10% instead.


 78.9440, 0.2459,
0.3208

 78.9440, 0.2459,
0.3208


491.3669, 0.2756,
0.3253


 58.8498, 0.2394,
0.3196

 131.8800, 0.2560,
0.3225

 42.4922, 0.2315,
0.3181


 165.4906, 0.2600,
0.3231

 29.4869, 0.2218,
0.3160


 204.3754, 0.2634,
0.3237

 19.4494, 0.2095,
0.3131

248.9189, 0.2665,
0.3241

 11.9955, 0.1935,
0.3088

299.5053, 0.2692,
0.3245

 6.7406, 0.1720,
0.3022

356.5192, 0.2715,

 3.3004, 0.1419,

0.3248

0.2908

420.3450, 0.2737,
0.3251

■ 1.2905, 0.0843,
0.2728

■ 0.1338, 0.0000,
0.1071

■ 78.9440, 0.2459,
0.3208

■ 78.9440, 0.2459,
0.3208

■ 76.3566, 0.2369,
0.3189

■ 82.0405, 0.2567,
0.3226

■ 74.2312, 0.2299,
0.3171

■ 85.6710, 0.2691,
0.3244

■ 72.5275, 0.2248,
0.3152

■ 89.8695, 0.2828,
0.3260

■ 71.1937, 0.2216,
0.3133

■ 94.6648, 0.2975,
0.3276

■ 70.1470, 0.2199,
0.3115

99.9955, 0.3127,
0.3290

■ 70.1278, 0.2199,
0.3115

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



78.9440, 0.2716, 0.3608



78.9440, 0.2459, 0.3208



78.9440, 0.2373, 0.2867

Triad

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



78.9440, 0.2459, 0.3208



78.9440, 0.3120, 0.2753



78.9440, 0.3810, 0.3905

Complementary

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



78.9440, 0.2459, 0.3208



40.1224, 0.4511, 0.3365

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.



78.9440, 0.3943, 0.3635



78.9440, 0.2459, 0.3208



78.9440, 0.3531, 0.2992

Square

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



78.9440, 0.2459, 0.3208



78.9440, 0.2735, 0.2635



78.9440, 0.3840, 0.3306



78.9440, 0.3495, 0.4026

Rectangle

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



78.9440, 0.2459, 0.3208



78.9440, 0.2418, 0.2717



78.9440, 0.3840, 0.3306



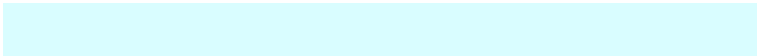
78.9440, 0.3879, 0.3827

Sweetspot

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



78.9470, 0.2459, 0.3208



92.1235, 0.2898, 0.3268



77.8182, 0.3025, 0.4806



19.5053, 0.2867, 0.3265



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.



78.9470, 0.2459, 0.3208



76.3322, 0.2368, 0.3189



46.5555, 0.2307, 0.2423



20.3008, 0.2980, 0.3276



36.7273, 0.2200, 0.3118



3.6260, 0.2205, 0.3139

Inverse Universe

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



43.4649, 0.3244, 0.2140



37.4545, 0.3270, 0.1953



63.1195, 0.4143, 0.4006



18.2822, 0.3147, 0.3068



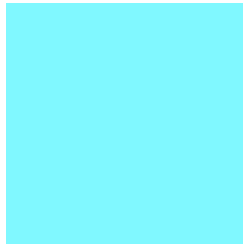
14.4356, 0.3352, 0.1620



1.4106, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 78.9440, 0.2459, 0.3208 looks on a white background.

Color Contrast Check

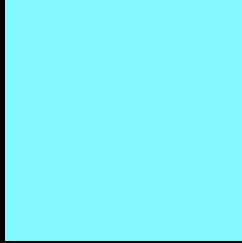
Large Text (above 18pt) WCAG AA × Fail

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 78.9440, 0.2459, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

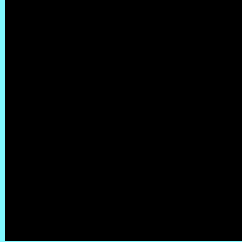
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9440, 0.2459, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 78.9440, 0.2459, 0.3208.

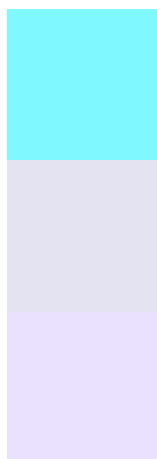


This preview shows how white text looks on a background with the Yxy color 78.9440, 0.2459, 0.3208.

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

78.9440, 0.2459, 0.3208

Protanopia

77.8430, 0.3039, 0.3134

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

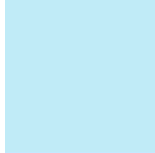
78.6766, 0.2632, 0.3134

Trichromacy



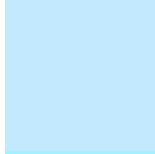
Original Color

78.9440, 0.2459, 0.3208



Protanomaly

77.3385, 0.2786, 0.3158



Deuteranomaly

77.0999, 0.2759, 0.3052



Tritanomaly

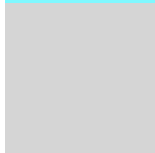
78.8899, 0.2564, 0.3165

Monochromacy



Original Color

78.9440, 0.2459, 0.3208



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.9392, 0.2825, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9440, 0.2459, 0.3208 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(128, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 248, 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(128, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.9440, 0.2459, 0.3208 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(128, 248, 255) }
```

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

```
.border{ border-color:rgb(128, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 248, 255); box-shadow:4px 4px 4px 4px rgb(128, 248, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9440, 0.2459, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 248, 255) }
```

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

```
.background{ background-color: rgb(128,  
248, 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](#).

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