

Converting Colors

$Yxy(78.9860, 0.2374, 0.3242)$

Have a look what the booklet for
Yxy(78.9860, 0.2374, 0.3242)
contains.

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Color

Yxy(78.9237, 0.2374, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	64FBFF
RGB	100, 251, 255
RGB Percent	39%, 98%, 100%
CMY	0.6073, 0.0157, 0.0001
CMYK	0.61, 0.02, 0.00, 0.00
HSL	182°, 100%, 70%
HSV	182°, 61%, 100%
XYZ	57.8108, 78.9237, 106.7820
YIQ	206.3070, -91.2800, -30.7680

Conversions

Conversions Part 2

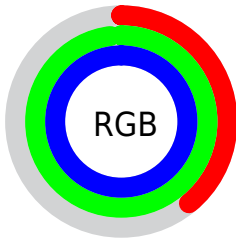
Format	Color
RYB	100, 176, 255
Decimal	6618111
CIELab	91.20, -38.43, -13.88
CIELCh	91, 40.860, 199.855
Yxy	78.9237, 0.2374, 0.3241
Android (android.graphics.Color)	4284808191 (0xFF64FBFF)
YUV	206.3070, 24.0056, -93.2312
Hunter-Lab	88.8390, -39.3117, -9.0776

Details

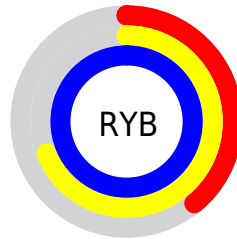
The Yxy color **78.9237, 0.2374, 0.3241** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1055, 0.5035, 0.3333**, and the grayscale version is **61.8380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.6608, 0.2229, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **77.2810, 0.2309, 0.3232**, and if you desaturate by 10%, it is **81.0288, 0.2458, 0.3250**.

Distribution



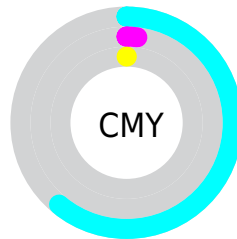
- Red (39%)
- Green (98%)
- Blue (100%)



- Red (39%)
- Yellow (69%)
- Blue (100%)



- Cyan (61%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9237, 0.2374, 0.3241 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 78.9237, 0.2374, 0.3241 by changing the saturation by 10% instead.


 78.9237, 0.2374,
0.3241

 78.9237, 0.2374,
0.3241


491.2982, 0.2708,
0.3273


 58.8331, 0.2301,
0.3232


 131.8514, 0.2487,
0.3254

 42.4788, 0.2214,
0.3219


 165.4573, 0.2532,
0.3259

 29.4764, 0.2105,
0.3201


 204.3371, 0.2571,
0.3262

 19.4415, 0.1969,
0.3176

248.8752, 0.2605,
0.3265

 11.9897, 0.1793,
0.3137

299.4560, 0.2635,
0.3268

 6.7367, 0.1559,
0.3074


356.4638, 0.2662,


 3.2980, 0.1237,


0.3270


0.2961


420.2831, 0.2686,
0.3272


 1.2892, 0.0524,
0.2812


 0.1328, 0.0000,
0.1058


 78.9237, 0.2374,
0.3241


 78.9237, 0.2374,
0.3241

 77.2810, 0.2309,
0.3232


 81.0288, 0.2458,
0.3250


 76.0476, 0.2264,
0.3224

 83.6258, 0.2562,
0.3258

 75.1739, 0.2237,
0.3215

 86.7518, 0.2682,
0.3267

 74.6080, 0.2224,
0.3207

 90.4383, 0.2816,
0.3275

■ 94.7139, 0.2962,
0.3282

■ 99.6056, 0.3116,
0.3290

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



78.9237, 0.2689, 0.3718



78.9237, 0.2374, 0.3241



78.9237, 0.2254, 0.2828

Triad

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



78.9237, 0.2374, 0.3241



78.9237, 0.3059, 0.2645



78.9237, 0.3955, 0.3973

Complementary

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



78.9237, 0.2374, 0.3241



32.1055, 0.5035, 0.3333

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.



78.9237, 0.4086, 0.3640



78.9237, 0.2374, 0.3241



78.9237, 0.3547, 0.2905

Square

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



78.9237, 0.2374, 0.3241



78.9237, 0.2624, 0.2527



78.9237, 0.3935, 0.3258



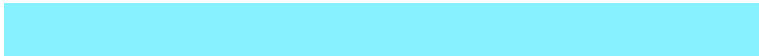
78.9237, 0.3601, 0.4152

Rectangle

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



78.9237, 0.2374, 0.3241



78.9237, 0.2290, 0.2643



78.9237, 0.3935, 0.3258



78.9237, 0.4028, 0.3873

Sweetspot

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



78.9267, 0.2374, 0.3241



91.5572, 0.2855, 0.3277



75.2018, 0.3026, 0.5235



19.3446, 0.2813, 0.3275



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.



78.9267, 0.2374, 0.3241



76.9758, 0.2297, 0.3230



40.5871, 0.2151, 0.2260



20.3963, 0.2980, 0.3283



39.0251, 0.2225, 0.3209



3.8242, 0.2227, 0.3218

Inverse Universe

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



37.3615, 0.3230, 0.1909



32.4125, 0.3248, 0.1736



54.8790, 0.4460, 0.4086



18.2918, 0.3142, 0.3062



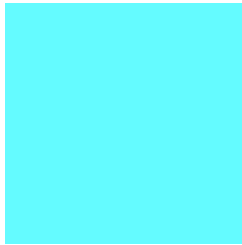
14.6676, 0.3275, 0.1578



1.4306, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 78.9237, 0.2374, 0.3241 looks on a white background.

Color Contrast Check

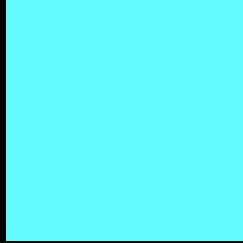
Large Text (above 18pt) WCAG AA × Fail

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 78.9237, 0.2374, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

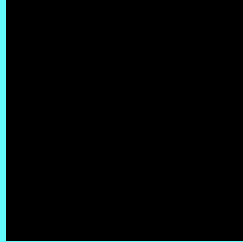
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9237, 0.2374, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 78.9237, 0.2374, 0.3241.

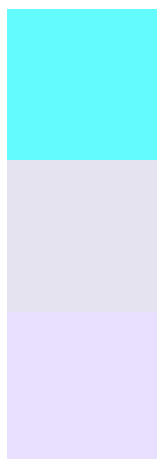


This preview shows how white text looks on a background with the Yxy color 78.9237, 0.2374, 0.3241.

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

78.9237, 0.2374, 0.3241

Protanopia

77.8875, 0.3058, 0.3155

Deuteranopia

77.3190, 0.2993, 0.2965



Tritanopia

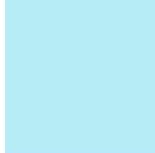
78.6168, 0.2604, 0.3144

Trichromacy



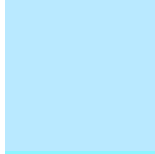
Original Color

78.9237, 0.2374, 0.3241



Protanomaly

76.5286, 0.2740, 0.3189



Deuteranomaly

75.8121, 0.2702, 0.3048



Tritanomaly

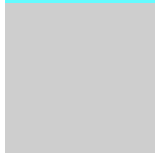
78.1875, 0.2504, 0.3174

Monochromacy



Original Color

78.9237, 0.2374, 0.3241



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.9492, 0.2759, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9237, 0.2374, 0.3241 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(100, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 251, 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(100, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.9237, 0.2374, 0.3241 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(100, 251, 255) }
```

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

```
.border{ border-color:rgb(100, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9237, 0.2374, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 251, 255) }
```

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

```
.background{ background-color: rgb(100,  
251, 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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