

Converting Colors

$Yxy(78.9021, 0.2485, 0.3197)$

Have a look what the booklet for
Yxy(78.9021, 0.2485, 0.3197)
contains.

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Color

Yxy(78.8924, 0.2484, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	87F7FF
RGB	135, 247, 255
RGB Percent	53%, 97%, 100%
CMY	0.4706, 0.0313, 0.0001
CMYK	0.47, 0.03, 0.00, 0.00
HSL	184°, 100%, 76%
HSV	184°, 47%, 100%
XYZ	61.2977, 78.8924, 106.5800
YIQ	214.4240, -69.3200, -21.2560

Conversions

Conversions Part 2

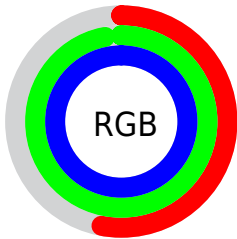
Format	Color
RYB	135, 193, 255
Decimal	8910847
CIELab	91.19, -30.02, -13.78
CIElCh	91, 33.029, 204.653
Yxy	78.8924, 0.2484, 0.3197
Android (android.graphics.Color)	4287100927 (0xFF87F7FF)
YUV	214.4240, 20.0040, -69.6548
Hunter-Lab	88.8214, -32.2505, -8.9692

Details

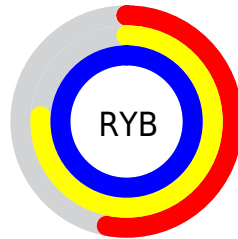
The Yxy color **78.8924, 0.2484, 0.3197** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.6373, 0.4388, 0.3376**, and the grayscale version is **67.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **42.3206, 0.2347, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **75.9972, 0.2388, 0.3174**, and if you desaturate by 10%, it is **82.3094, 0.2598, 0.3219**.

Distribution



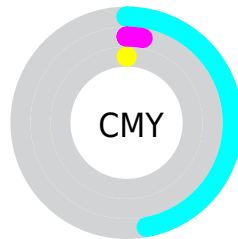
- Red (53%)
- Green (97%)
- Blue (100%)



- Red (53%)
- Yellow (76%)
- Blue (100%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8924, 0.2484, 0.3197 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 78.8924, 0.2484, 0.3197 by changing the saturation by 10% instead.

 78.8924, 0.2484,
0.3197


 78.8924, 0.2484,
0.3197

491.1923, 0.2770,
0.3247

 58.8073, 0.2421,
0.3184


 131.8074, 0.2581,
0.3215

 42.4581, 0.2345,
0.3168


 165.4061, 0.2620,
0.3222

 29.4601, 0.2251,
0.3146


204.2781, 0.2653,
0.3228

 19.4292, 0.2132,
0.3115

248.8079, 0.2682,
0.3233

 11.9808, 0.1977,
0.3071

299.3798, 0.2708,
0.3237

 6.7306, 0.1768,
0.3003


356.3782, 0.2731,


 3.2942, 0.1473,


0.3241


0.2888


420.1876, 0.2752,
0.3244


 1.2872, 0.0932,
0.2700

 0.1313, 0.0000,
0.1055


 78.8924, 0.2484,
0.3197


 78.8924, 0.2484,
0.3197


 75.9972, 0.2388,
0.3174


 82.3094, 0.2598,
0.3219


 73.5780, 0.2310,
0.3152

 86.2722, 0.2726,
0.3240

 71.5959, 0.2253,
0.3129

 90.8142, 0.2867,
0.3260

 70.0021, 0.2214,
0.3106

 95.9634, 0.3017,
0.3278

■ 68.7339, 0.2193,
0.3084

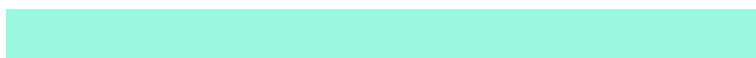
99.9982, 0.3127,
0.3290

■ 68.3946, 0.2188,
0.3077

Harmonies

Analogous

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



78.8924, 0.2723, 0.3575



78.8924, 0.2484, 0.3197



78.8924, 0.2410, 0.2878

Triad

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



78.8924, 0.2484, 0.3197



78.8924, 0.3139, 0.2786



78.8924, 0.3766, 0.3884

Complementary

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



78.8924, 0.2484, 0.3197



42.6373, 0.4388, 0.3376

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.



78.8924, 0.3900, 0.3634



78.8924, 0.2484, 0.3197



78.8924, 0.3527, 0.3019

Square

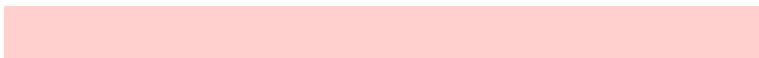
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8924, 0.2484, 0.3197



78.8924, 0.2769, 0.2668



78.8924, 0.3813, 0.3321



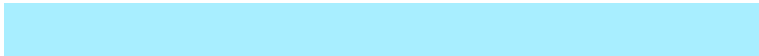
78.8924, 0.3461, 0.3988

Rectangle

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



78.8924, 0.2484, 0.3197



78.8924, 0.2458, 0.2738



78.8924, 0.3813, 0.3321



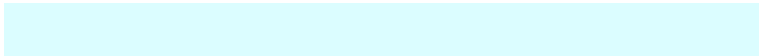
78.8924, 0.3834, 0.3813

Sweetspot

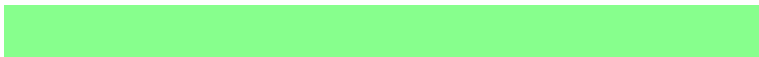
The Sweet Spot groups the original color and five complimentary colors.



78.8954, 0.2484, 0.3197



92.3439, 0.2912, 0.3265



78.5760, 0.3030, 0.4710



19.5362, 0.2881, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

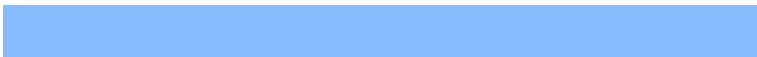
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8954, 0.2484, 0.3197



76.2982, 0.2397, 0.3177



48.7581, 0.2352, 0.2481



20.2627, 0.2980, 0.3274



35.8345, 0.2189, 0.3081



3.5488, 0.2196, 0.3106

Inverse Universe

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



45.2979, 0.3249, 0.2207



39.5170, 0.3276, 0.2035



64.7696, 0.4075, 0.3969



18.2783, 0.3148, 0.3071



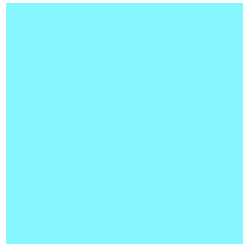
14.3455, 0.3383, 0.1638



1.4028, 0.3362, 0.1625

Previews

White Background



This preview shows how the Yxy color 78.8924, 0.2484, 0.3197 looks on a white background.

Color Contrast Check

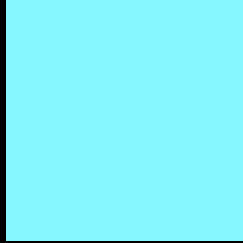
Large Text (above 18pt) WCAG AA × Fail

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 78.8924, 0.2484, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

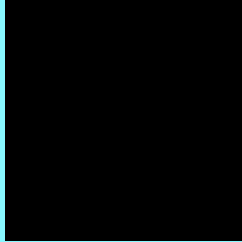
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8924, 0.2484, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 78.8924, 0.2484, 0.3197.

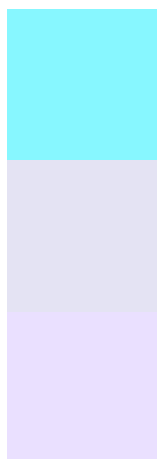


This preview shows how white text looks on a background with the Yxy color 78.8924, 0.2484, 0.3197.

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

78.8924, 0.2484, 0.3197

Protanopia

77.9032, 0.3033, 0.3124

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

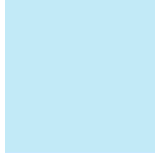
78.7885, 0.2637, 0.3134

Trichromacy



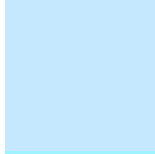
Original Color

78.8924, 0.2484, 0.3197



Protanomaly

77.0304, 0.2797, 0.3147



Deuteranomaly

76.9390, 0.2776, 0.3042



Tritanomaly

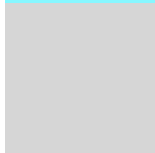
78.5903, 0.2576, 0.3154

Monochromacy



Original Color

78.8924, 0.2484, 0.3197



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.3641, 0.2838, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8924, 0.2484, 0.3197 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(135, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 247, 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(135, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.8924, 0.2484, 0.3197 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(135, 247, 255) }
```

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

```
.border{ border-color:rgb(135, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8924, 0.2484, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 247, 255) }
```

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

```
.background{ background-color: rgb(135,  
247, 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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