

Converting Colors

$Y_{xy}(82.7184, 0.2263, 0.2616)$

Have a look what the booklet for
Yxy(82.7184, 0.2263, 0.2616)
contains.

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Color

Yxy(78.1999, 0.2478, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	86F6FF
RGB	134, 246, 255
RGB Percent	53%, 96%, 100%
CMY	0.4743, 0.0353, 0.0000
CMYK	0.47, 0.04, 0.00, 0.00
HSL	184°, 100%, 76%
HSV	184°, 47%, 100%
XYZ	60.8412, 78.1999, 106.4844
YIQ	213.5380, -69.6410, -20.9450

Conversions

Conversions Part 2

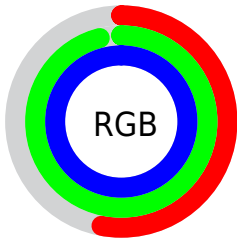
Format	Color
RYB	134, 192, 255
Decimal	8845055
CIELab	90.87, -29.74, -14.26
CIElCh	91, 32.980, 205.619
Yxy	78.1999, 0.2478, 0.3185
Android (android.graphics.Color)	4287035135 (0xFF86F6FF)
YUV	213.5380, 20.4408, -69.7548
Hunter-Lab	88.4307, -31.9439, -9.4930

Details

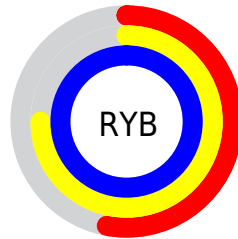
The Yxy color **78.1999, 0.2478, 0.3185** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.6383, 0.4398, 0.3387**, and the grayscale version is **66.8233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **41.8501, 0.2339, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **75.2060, 0.2381, 0.3160**, and if you desaturate by 10%, it is **81.7167, 0.2592, 0.3210**.

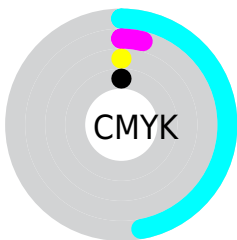
Distribution



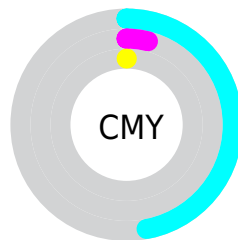
- Red (53%)
- Green (96%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1999, 0.2478, 0.3185 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 78.1999, 0.2478, 0.3185 by changing the saturation by 10% instead.


 78.1999, 0.2478,
0.3185


 78.1999, 0.2478,
0.3185


488.8454, 0.2767,
0.3241

 58.2382, 0.2415,
0.3171


 130.8319, 0.2576,
0.3205

 42.0002, 0.2338,
0.3153


 164.2710, 0.2615,
0.3213

 29.1014, 0.2243,
0.3129


202.9713, 0.2649,
0.3220

 19.1576, 0.2122,
0.3096

247.3172, 0.2678,
0.3225

 11.7842, 0.1965,
0.3048

297.6933, 0.2704,
0.3230

 6.5969, 0.1753,
0.2974

354.4837, 0.2728,

 3.2113, 0.1455,

0.3234

0.2850

418.0730, 0.2749,
0.3237

1.2430, 0.0891,
0.2651

0.0964, 0.0000,
0.0800

78.1999, 0.2478,
0.3185

78.1999, 0.2478,
0.3185

75.2060, 0.2381,
0.3160

81.7167, 0.2592,
0.3210

72.6890, 0.2304,
0.3134

85.7806, 0.2721,
0.3233

70.6100, 0.2246,
0.3108

90.4251, 0.2862,
0.3255

68.9196, 0.2207,
0.3083

95.6784, 0.3012,
0.3276

■ 67.5534, 0.2185,
0.3058

99.9993, 0.3127,
0.3290

■ 67.2299, 0.2181,
0.3051

Harmonies

Analogous

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



78.1999, 0.2713, 0.3564



78.1999, 0.2478, 0.3185



78.1999, 0.2409, 0.2869

Triad

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



78.1999, 0.2478, 0.3185



78.1999, 0.3152, 0.2791



78.1999, 0.3760, 0.3891

Complementary

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



78.1999, 0.2478, 0.3185



42.6383, 0.4398, 0.3387

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.



78.1999, 0.3900, 0.3644



78.1999, 0.2478, 0.3185



78.1999, 0.3539, 0.3028

Square

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



78.1999, 0.2478, 0.3185



78.1999, 0.2779, 0.2669



78.1999, 0.3820, 0.3331



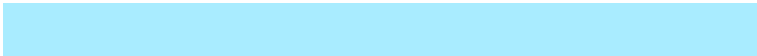
78.1999, 0.3450, 0.3989

Rectangle

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



78.1999, 0.2478, 0.3185



78.1999, 0.2461, 0.2732



78.1999, 0.3820, 0.3331



78.1999, 0.3829, 0.3821

Sweetspot

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



78.2029, 0.2478, 0.3185



92.1651, 0.2912, 0.3262



78.5421, 0.3020, 0.4698



19.4921, 0.2880, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

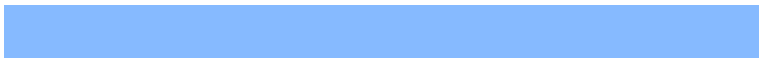
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2029, 0.2478, 0.3185



75.3316, 0.2385, 0.3161



47.6032, 0.2341, 0.2447



20.2366, 0.2980, 0.3272



35.2301, 0.2182, 0.3056



3.4964, 0.2190, 0.3084

Inverse Universe

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



44.9764, 0.3259, 0.2207



38.8800, 0.3289, 0.2026



65.4959, 0.4073, 0.3994



18.2757, 0.3149, 0.3073



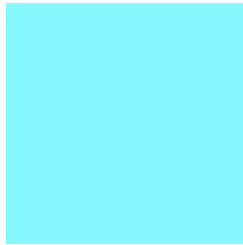
14.2845, 0.3406, 0.1650



1.3975, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 78.1999, 0.2478, 0.3185 looks on a white background.

Color Contrast Check

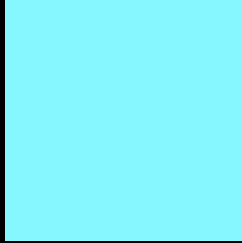
Large Text (above 18pt) WCAG AA × Fail

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 78.1999, 0.2478, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

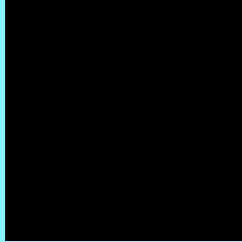
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1999, 0.2478, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 78.1999, 0.2478, 0.3185.

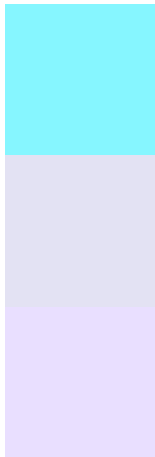


This preview shows how white text looks on a background with the Yxy color 78.1999, 0.2478, 0.3185.

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

78.1999, 0.2478, 0.3185

Protanopia

77.1947, 0.3026, 0.3113

Deuteranopia

77.3190, 0.2993, 0.2965



Tritanopia

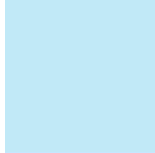
77.7557, 0.2615, 0.3122

Trichromacy



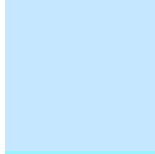
Original Color

78.1999, 0.2478, 0.3185



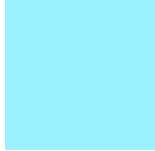
Protanomaly

76.3307, 0.2790, 0.3136



Deuteranomaly

76.2421, 0.2769, 0.3031



Tritanomaly

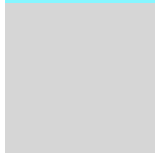
77.6928, 0.2561, 0.3142

Monochromacy



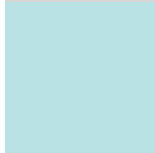
Original Color

78.1999, 0.2478, 0.3185



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 78.1999, 0.2478, 0.3185 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(134, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 246, 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(134, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.1999, 0.2478, 0.3185 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(134, 246, 255) }
```

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

```
.border{ border-color:rgb(134, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1999, 0.2478, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 246, 255) }
```

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

```
.background{ background-color: rgb(134,  
246, 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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