

Converting Colors

$Y_{xy}(78.2860, 0.2565, 0.3152)$

Have a look what the booklet for
Yxy(78.2860, 0.2565, 0.3152)
contains.

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Color

Yxy(78.3891, 0.2567, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	9CF3FF
RGB	156, 243, 255
RGB Percent	61%, 95%, 100%
CMY	0.3884, 0.0470, 0.0001
CMYK	0.39, 0.05, 0.00, 0.00
HSL	187°, 100%, 81%
HSV	187°, 39%, 100%
XYZ	63.7999, 78.3891, 106.3497
YIQ	218.3550, -55.7040, -14.7120

Conversions

Conversions Part 2

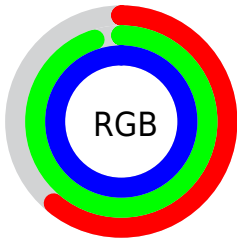
Format	Color
RYB	156, 202, 255
Decimal	10286079
CIELab	90.96, -23.23, -14.03
CIElCh	91, 27.141, 211.122
Yxy	78.3891, 0.2567, 0.3154
Android (android.graphics.Color)	4288476159 (0xFF9CF3FF)
YUV	218.3550, 18.0660, -54.6853
Hunter-Lab	88.5376, -26.3144, -9.2417

Details

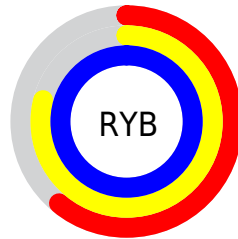
The Yxy color **78.3891, 0.2567, 0.3154** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6254, 0.4054, 0.3419**, and the grayscale version is **70.2645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **42.2705, 0.2449, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **74.2835, 0.2450, 0.3113**, and if you desaturate by 10%, it is **83.0655, 0.2698, 0.3193**.

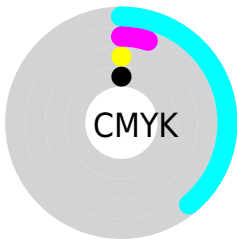
Distribution



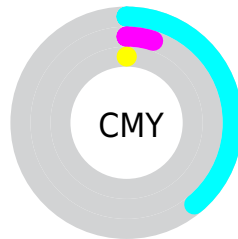
- Red (61%)
- Green (95%)
- Blue (100%)



- Red (61%)
- Yellow (79%)
- Blue (100%)



- Cyan (39%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (39%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3891, 0.2567, 0.3154 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 78.3891, 0.2567, 0.3154 by changing the saturation by 10% instead.


 78.3891, 0.2567,
0.3154


 78.3891, 0.2567,
0.3154


489.4872, 0.2818,
0.3222

 58.3937, 0.2512,
0.3138


 131.0985, 0.2652,
0.3178

 42.1252, 0.2445,
0.3117


 164.5812, 0.2686,
0.3188

 29.1994, 0.2362,
0.3090


203.3285, 0.2715,
0.3195

 19.2317, 0.2256,
0.3054

247.7248, 0.2741,
0.3202

 11.8378, 0.2118,
0.3002

298.1544, 0.2763,
0.3208

 6.6333, 0.1929,
0.2926

355.0017, 0.2783,

 3.2339, 0.1659,

0.3213

0.2801

418.6512, 0.2801,
0.3218

1.2550, 0.1206,
0.2585

0.1060, 0.0000,
0.0877

78.3891, 0.2567,
0.3154

78.3891, 0.2567,
0.3154

74.2835, 0.2450,
0.3113

83.0655, 0.2698,
0.3193

70.7056, 0.2351,
0.3072

88.3344, 0.2840,
0.3229

67.6209, 0.2270,
0.3029

94.2274, 0.2990,
0.3263

64.9865, 0.2208,
0.2986

99.9981, 0.3127,
0.3290

■ 62.7514, 0.2166,
0.2943

■ 60.8419, 0.2141,
0.2902

■ 60.6293, 0.2138,
0.2897

Harmonies

Analogous

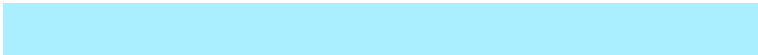
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3891, 0.2741, 0.3459



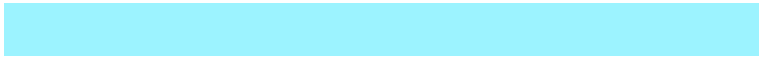
78.3891, 0.2567, 0.3154



78.3891, 0.2535, 0.2909

Triad

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



78.3891, 0.2567, 0.3154



78.3891, 0.3210, 0.2904



78.3891, 0.3612, 0.3813

Complementary

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



78.3891, 0.2567, 0.3154



51.6254, 0.4054, 0.3419

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.



78.3891, 0.3755, 0.3632



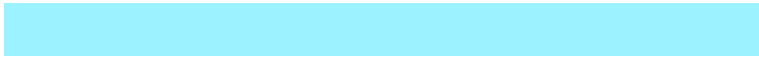
78.3891, 0.2567, 0.3154



78.3891, 0.3518, 0.3117

Square

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



78.3891, 0.2567, 0.3154



78.3891, 0.2893, 0.2782



78.3891, 0.3721, 0.3378



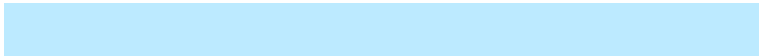
78.3891, 0.3341, 0.3856

Rectangle

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



78.3891, 0.2567, 0.3154



78.3891, 0.2597, 0.2808



78.3891, 0.3721, 0.3378



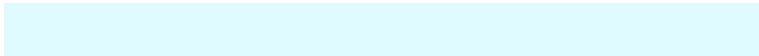
78.3891, 0.3677, 0.3765

Sweetspot

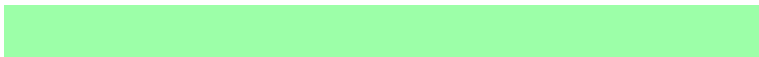
The Sweet Spot groups the original color and five complimentary colors.



78.3922, 0.2567, 0.3154



92.3166, 0.2942, 0.3252



81.3736, 0.3014, 0.4343



19.5927, 0.2922, 0.3248



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.



78.3922, 0.2567, 0.3154



75.0157, 0.2471, 0.3121



52.8257, 0.2477, 0.2565



20.0849, 0.2980, 0.3260



31.8365, 0.2140, 0.2904



3.2008, 0.2153, 0.2952

Inverse Universe

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



51.4884, 0.3270, 0.2430



44.9526, 0.3307, 0.2262



73.2866, 0.3850, 0.3917



18.2604, 0.3157, 0.3084



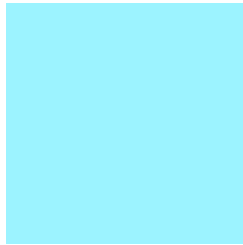
13.9419, 0.3540, 0.1724



1.3677, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 78.3891, 0.2567, 0.3154 looks on a white background.

Color Contrast Check

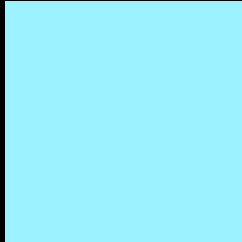
Large Text (above 18pt) WCAG AA × Fail

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 78.3891, 0.2567, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

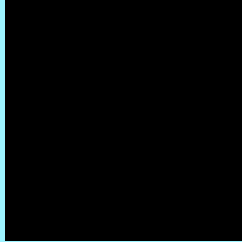
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3891, 0.2567, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 78.3891, 0.2567, 0.3154.

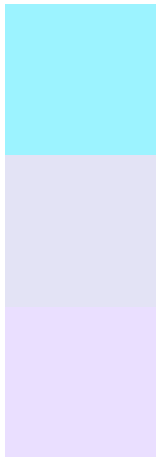


This preview shows how white text looks on a background with the Yxy color 78.3891, 0.2567, 0.3154.

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

78.3891, 0.2567, 0.3154

Protanopia

77.8616, 0.3014, 0.3103

Deuteranopia

77.4878, 0.2999, 0.2966



Tritanopia

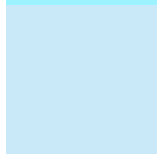
78.0670, 0.2655, 0.3112

Trichromacy



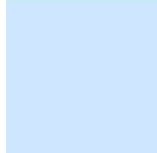
Original Color

78.3891, 0.2567, 0.3154



Protanomaly

77.5349, 0.2827, 0.3117



Deuteranomaly

76.9354, 0.2822, 0.3024



Tritanomaly

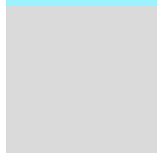
77.8650, 0.2620, 0.3122

Monochromacy



Original Color

78.3891, 0.2567, 0.3154



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.3098, 0.2889, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3891, 0.2567, 0.3154 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(156, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 243, 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(156, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.3891, 0.2567, 0.3154 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(156, 243, 255) }
```

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

```
.border{ border-color:rgb(156, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3891, 0.2567, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 243, 255) }
```

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

```
.background{ background-color: rgb(156,  
243, 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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