

Converting Colors

$Y_{xy}(82.4793, 0.2316, 0.2732)$

Have a look what the booklet for
Yxy(82.4793, 0.2316, 0.2732)
contains.

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Color

Yxy(79.1448, 0.2496, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	8AF7FF
RGB	138, 247, 255
RGB Percent	54%, 97%, 100%
CMY	0.4588, 0.0314, 0.0000
CMYK	0.46, 0.03, 0.00, 0.00
HSL	184°, 100%, 77%
HSV	184°, 46%, 100%
XYZ	61.7909, 79.1448, 106.6239
YIQ	215.3210, -67.5320, -20.6200

Conversions

Conversions Part 2

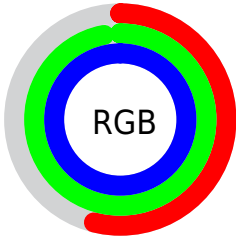
Format	Color
RYB	138, 194, 255
Decimal	9107455
CIELab	91.30, -29.36, -13.61
CIELCh	91, 32.356, 204.870
Yxy	79.1448, 0.2496, 0.3197
Android (android.graphics.Color)	4287297535 (0xFF8AF7FF)
YUV	215.3210, 19.5617, -67.8105
Hunter-Lab	88.9634, -31.7060, -8.7856

Details

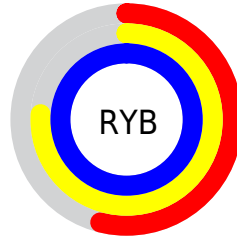
The Yxy color **79.1448, 0.2496, 0.3197** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.6500, 0.4340, 0.3377**, and the grayscale version is **68.0846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **42.4819, 0.2361, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **76.1618, 0.2397, 0.3174**, and if you desaturate by 10%, it is **82.6544, 0.2612, 0.3219**.

Distribution



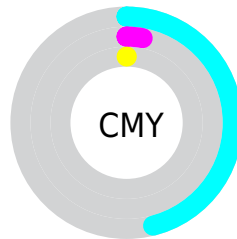
- Red (54%)
- Green (97%)
- Blue (100%)



- Red (54%)
- Yellow (76%)
- Blue (100%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1448, 0.2496, 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 79.1448, 0.2496, 0.3197 by changing the saturation by 10% instead.


 79.1448, 0.2496,
0.3197


 79.1448, 0.2496,
0.3197


492.0461, 0.2777,
0.3247

 59.0149, 0.2435,
0.3184


 132.1627, 0.2591,
0.3215

 42.6251, 0.2360,
0.3168


 165.8194, 0.2629,
0.3222

 29.5911, 0.2268,
0.3146


204.7539, 0.2662,
0.3228

 19.5284, 0.2151,
0.3117

249.3505, 0.2691,
0.3233

 12.0527, 0.1998,
0.3073

299.9936, 0.2716,
0.3237

 6.7796, 0.1792,
0.3007

357.0677, 0.2739,

 3.3246, 0.1502,

0.3241

0.2894

420.9570, 0.2759,
0.3244

■ 1.3035, 0.0981,
0.2706

■ 0.1439, 0.0000,
0.1143

■ 79.1448, 0.2496,
0.3197

■ 79.1448, 0.2496,
0.3197

■ 76.1618, 0.2397,
0.3174

■ 82.6544, 0.2612,
0.3219

■ 73.6598, 0.2318,
0.3150

■ 86.7142, 0.2742,
0.3241

■ 71.6010, 0.2257,
0.3127

■ 91.3573, 0.2885,
0.3261

■ 69.9372, 0.2216,
0.3103

■ 96.6114, 0.3036,
0.3280

■ 68.6090, 0.2193,
0.3080

99.9998, 0.3127,
0.3290

■ 68.1236, 0.2186,
0.3071

Harmonies

Analogous

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



79.1448, 0.2729, 0.3567



79.1448, 0.2496, 0.3197



79.1448, 0.2424, 0.2885

Triad

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



79.1448, 0.2496, 0.3197



79.1448, 0.3142, 0.2797



79.1448, 0.3751, 0.3874

Complementary

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



79.1448, 0.2496, 0.3197



43.6500, 0.4340, 0.3377

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.



79.1448, 0.3883, 0.3630



79.1448, 0.2496, 0.3197



79.1448, 0.3521, 0.3027

Square

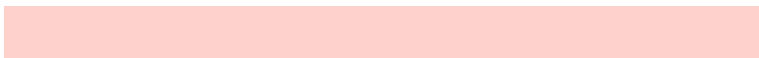
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1448, 0.2496, 0.3197



79.1448, 0.2779, 0.2681



79.1448, 0.3799, 0.3323



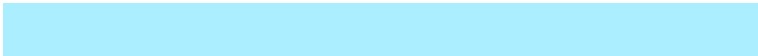
79.1448, 0.3452, 0.3972

Rectangle

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



79.1448, 0.2496, 0.3197



79.1448, 0.2472, 0.2749



79.1448, 0.3799, 0.3323



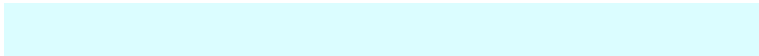
79.1448, 0.3817, 0.3804

Sweetspot

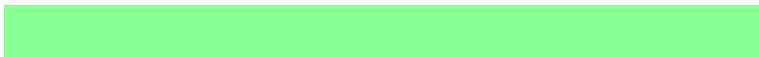
The Sweet Spot groups the original color and five complimentary colors.



79.1479, 0.2496, 0.3197



92.3005, 0.2912, 0.3265



78.9908, 0.3023, 0.4645



19.5255, 0.2880, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

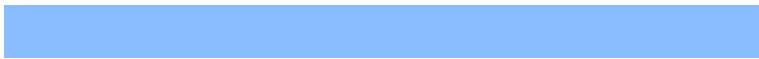
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1479, 0.2496, 0.3197



76.4067, 0.2405, 0.3176



48.8891, 0.2367, 0.2480



20.2564, 0.2980, 0.3273



35.6872, 0.2188, 0.3075



3.5360, 0.2195, 0.3101

Inverse Universe

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



46.1523, 0.3248, 0.2233



40.0827, 0.3275, 0.2055



66.4224, 0.4036, 0.3972



18.2777, 0.3149, 0.3072



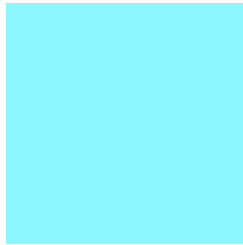
14.3306, 0.3389, 0.1640



1.4015, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 79.1448, 0.2496, 0.3197 looks on a white background.

Color Contrast Check

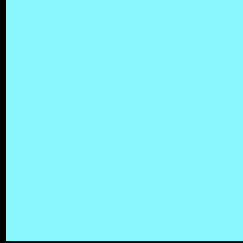
Large Text (above 18pt) WCAG AA × Fail

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 79.1448, 0.2496, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

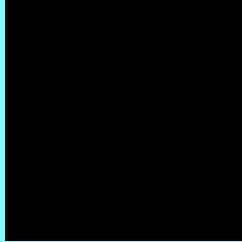
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1448, 0.2496, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 79.1448, 0.2496, 0.3197.

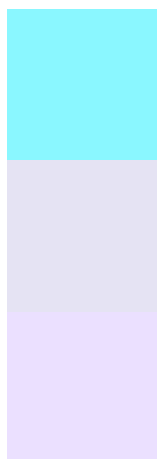


This preview shows how white text looks on a background with the Yxy color 79.1448, 0.2496, 0.3197.

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

79.1448, 0.2496, 0.3197

Protanopia

78.0672, 0.3040, 0.3124

Deuteranopia

78.1935, 0.3006, 0.2977



Tritanopia

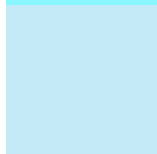
79.0148, 0.2647, 0.3134

Trichromacy



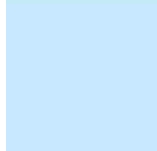
Original Color

79.1448, 0.2496, 0.3197



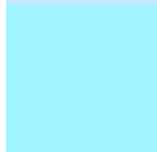
Protanomaly

77.2968, 0.2809, 0.3148



Deuteranomaly

77.2126, 0.2788, 0.3043



Tritanomaly

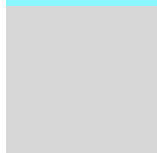
78.7948, 0.2586, 0.3154

Monochromacy



Original Color

79.1448, 0.2496, 0.3197



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.2161, 0.2845, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1448, 0.2496, 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(138, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.1448, 0.2496, 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(138, 247, 255) }
```

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

```
.border{ border-color:rgb(138, 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(138, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1448, 0.2496, 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(138, 247, 255) }
```

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

```
.background{ background-color: rgb(138,  
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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