

# Converting Colors

$Yxy(79.0559, 0.2513, 0.3188)$

Have a look what the booklet for  
Yxy(79.0559, 0.2513, 0.3188)  
contains.

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# Color

**Yxy(78.9712, 0.2515, 0.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FF6FF
RGB	143, 246, 255
RGB Percent	56%, 96%, 100%
CMY	0.4390, 0.0353, 0.0000
CMYK	0.44, 0.04, 0.00, 0.00
HSL	185°, 100%, 78%
HSV	185°, 44%, 100%
XYZ	62.3392, 78.9712, 106.5591
YIQ	216.2290, -64.2770, -19.0370

# Conversions

## Conversions Part 2

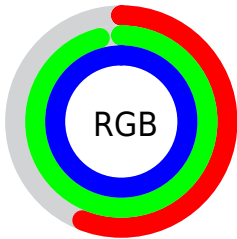
Format	Color
R <sub>Y</sub> B	143, 197, 255
Decimal	9434879
CIE Lab	91.22, -27.74, -13.70
CIE LCh	91, 30.939, 206.288
Yxy	78.9712, 0.2515, 0.3186
Android (android.graphics.Color)	4287624959 (0xFF8FF6FF)
YUV	216.2290, 19.1141, -64.2218
Hunter-Lab	88.8657, -30.2976, -8.8887

# Details

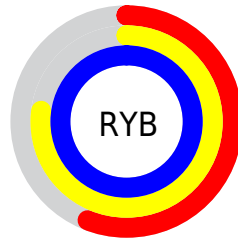
The Yxy color **78.9712, 0.2515, 0.3186** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7177, 0.4256, 0.3387**, and the grayscale version is **68.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **42.3114, 0.2382, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **75.7102, 0.2411, 0.3159**, and if you desaturate by 10%, it is **82.7693, 0.2635, 0.3212**.

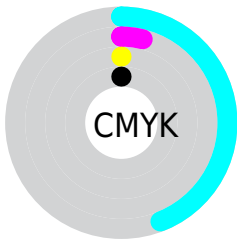
# Distribution



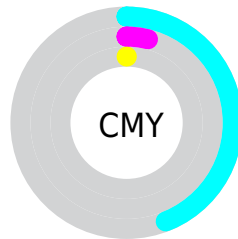
- Red (56%)
- Green (96%)
- Blue (100%)



- Red (56%)
- Yellow (77%)
- Blue (100%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9712, 0.2515, 0.3186 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 78.9712, 0.2515, 0.3186 by changing the saturation by 10% instead.





 78.9712, 0.2515,  
0.3186


 78.9712, 0.2515,  
0.3186


491.4589, 0.2788,  
0.3240

 58.8721, 0.2455,  
0.3172


 131.9183, 0.2608,  
0.3206

 42.5102, 0.2383,  
0.3155

 165.5352, 0.2644,  
0.3213

 29.5010, 0.2293,  
0.3132


204.4267, 0.2676,  
0.3220

 19.4601, 0.2179,  
0.3101

248.9773, 0.2704,  
0.3225

 12.0032, 0.2030,  
0.3055

299.5715, 0.2729,  
0.3229

 6.7459, 0.1829,  
0.2986

356.5935, 0.2751,

 3.3037, 0.1544,

0.3234

0.2871

420.4279, 0.2770,  
0.3237

■ 1.2923, 0.1043,  
0.2675

■ 0.1352, 0.0000,  
0.1084

■ 78.9712, 0.2515,  
0.3186

■ 78.9712, 0.2515,  
0.3186

■ 75.7102, 0.2411,  
0.3159

■ 82.7693, 0.2635,  
0.3212

■ 72.9417, 0.2326,  
0.3131

■ 87.1275, 0.2769,  
0.3237

■ 70.6285, 0.2260,  
0.3103

■ 92.0785, 0.2914,  
0.3261

■ 68.7245, 0.2214,  
0.3075

■ 97.6497, 0.3066,  
0.3282

■ 67.1728, 0.2186,  
0.3048

99.9996, 0.3127,  
0.3290

■ 66.3499, 0.2176,  
0.3032

# Harmonies

## Analogous

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



78.9712, 0.2733, 0.3538



78.9712, 0.2515, 0.3186



78.9712, 0.2453, 0.2892

# Triad

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



78.9712, 0.2515, 0.3186



78.9712, 0.3159, 0.2825



78.9712, 0.3715, 0.3858

# Complementary

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



78.9712, 0.2515, 0.3186



45.7177, 0.4256, 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.



78.9712, 0.3849, 0.3630



78.9712, 0.2515, 0.3186



78.9712, 0.3520, 0.3050

# Square

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



78.9712, 0.2515, 0.3186



78.9712, 0.2809, 0.2707



78.9712, 0.3778, 0.3337



78.9712, 0.3423, 0.3942

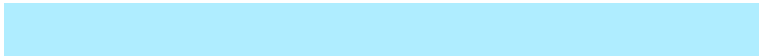


# Rectangle

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



78.9712, 0.2515, 0.3186



78.9712, 0.2505, 0.2765



78.9712, 0.3778, 0.3337



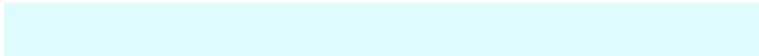
78.9712, 0.3780, 0.3794

# Sweetspot

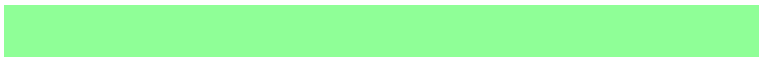
The Sweet Spot groups the original color and five complimentary colors.



78.9743, 0.2515, 0.3186



92.5577, 0.2927, 0.3263



79.5799, 0.3027, 0.4577



19.5634, 0.2894, 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.



78.9743, 0.2515, 0.3186



75.9863, 0.2420, 0.3161



50.5719, 0.2401, 0.2522



20.2168, 0.2980, 0.3270



34.7755, 0.2177, 0.3036



3.4569, 0.2185, 0.3067



# Inverse Universe

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



47.5745, 0.3254, 0.2286



41.1969, 0.3284, 0.2105



67.6218, 0.3988, 0.3944



18.2737, 0.3150, 0.3074



14.2386, 0.3423, 0.1659

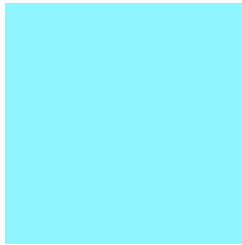


1.3935, 0.3395, 0.1644



# Previews

## White Background



This preview shows how the Yxy color 78.9712, 0.2515, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

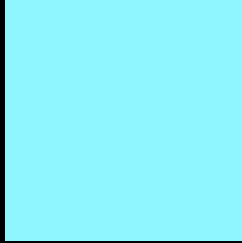
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9712, 0.2515, 0.3186 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

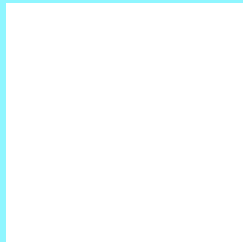
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.9712, 0.2515, 0.3186**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9712, 0.2515, 0.3186.

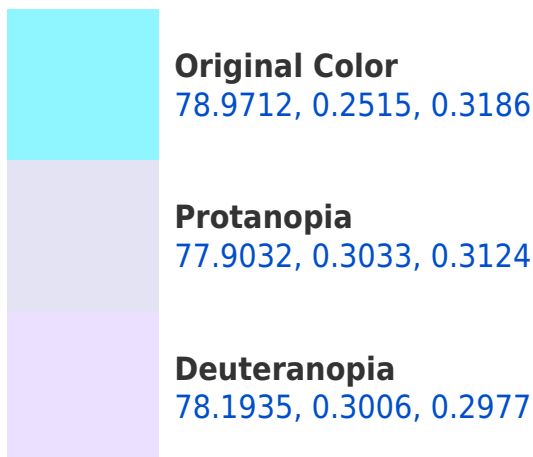


This preview shows how white text looks on a background with the Yxy color 78.9712, 0.2515, 0.3186.

# 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





## Tritanopia

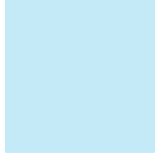
78.5388, 0.2651, 0.3123

# Trichromacy



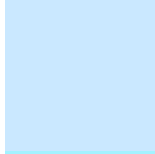
## Original Color

78.9712, 0.2515, 0.3186



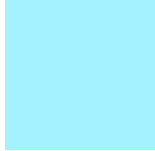
## Protanomaly

77.4314, 0.2815, 0.3148



## Deuteranomaly

77.4898, 0.2799, 0.3044



## Tritanomaly

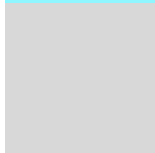
78.5108, 0.2599, 0.3143

# Monochromacy



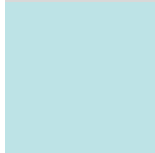
## Original Color

78.9712, 0.2515, 0.3186



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.4702, 0.2857, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9712, 0.2515, 0.3186 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(143, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9712, 0.2515, 0.3186 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(143, 246, 255) }
```

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

```
.border{ border-color:rgb(143, 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(143, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9712, 0.2515, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 246, 255) }
```

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

```
.background{ background-color: rgb(143,  
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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