

# Converting Colors

$Y_{xy}(79.6280, 0.2362, 0.3260)$

Have a look what the booklet for  
Yxy(79.6280, 0.2362, 0.3260)  
contains.

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# Color

**Yxy(79.8502, 0.2363, 0.3264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFDFF
RGB	94, 253, 255
RGB Percent	37%, 99%, 100%
CMY	0.6305, 0.0079, 0.0000
CMYK	0.63, 0.01, 0.00, 0.00
HSL	181°, 100%, 68%
HSV	181°, 63%, 100%
XYZ	57.8082, 79.8502, 106.9807
YIQ	205.6870, -95.4060, -33.0860

# Conversions

## Conversions Part 2

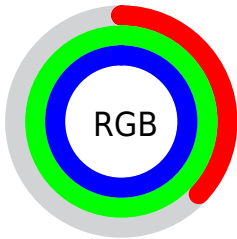
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 174, 255
Decimal	6225407
CIELab	91.62, -40.24, -13.28
CIELCh	92, 42.374, 198.266
Yxy	79.8502, 0.2363, 0.3264
Android (android.graphics.Color)	4284415487 (0xFF5EFDFF)
YUV	205.6870, 24.3113, -97.9495
Hunter-Lab	89.3589, -40.9027, -8.4308

# Details

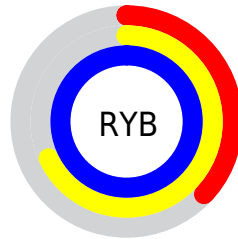
The Yxy color **79.8502, 0.2363, 0.3264** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.4799, 0.5162, 0.3314**, and the grayscale version is **61.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **78.5148, 0.2304, 0.3260**, and if you desaturate by 10%, it is **81.6361, 0.2441, 0.3269**.

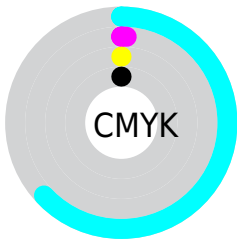
# Distribution



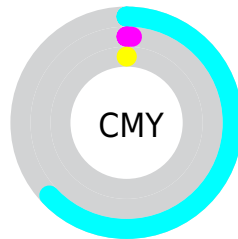
- Red (37%)
- Green (99%)
- Blue (100%)



- Red (37%)
- Yellow (68%)
- Blue (100%)



- Cyan (63%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8502, 0.2363, 0.3264 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 79.8502, 0.2363, 0.3264 by changing the saturation by 10% instead.




 79.8502, 0.2363,  
0.3264

 79.8502, 0.2363,  
0.3264


494.4279, 0.2701,  
0.3286


 59.5951, 0.2290,  
0.3257


 133.1551, 0.2477,  
0.3273

 43.0923, 0.2201,  
0.3247


 166.9737, 0.2523,  
0.3277

 29.9576, 0.2092,  
0.3233


 206.0822, 0.2562,  
0.3279

 19.8064, 0.1955,  
0.3212

250.8651, 0.2597,  
0.3281

 12.2544, 0.1778,  
0.3179

301.7067, 0.2627,  
0.3283

 6.9172, 0.1543,  
0.3124


358.9914, 0.2655,


 3.4104, 0.1221,


0.3284


423.1037, 0.2679,  
0.3285


0.3023


 1.3495, 0.0515,  
0.2894

 0.1791, 0.0000,  
0.1365


 79.8502, 0.2363,  
0.3264


 79.8502, 0.2363,  
0.3264


 78.5148, 0.2304,  
0.3260


 81.6361, 0.2441,  
0.3269


 77.5770, 0.2265,  
0.3256


 83.9049, 0.2539,  
0.3273

 76.9837, 0.2243,  
0.3251

 86.6942, 0.2654,  
0.3277

 76.7185, 0.2236,  
0.3249

 90.0357, 0.2784,  
0.3281

 93.9590, 0.2927,  
0.3285

 98.4912, 0.3079,  
0.3289

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.8502, 0.2696, 0.3757



79.8502, 0.2363, 0.3264



79.8502, 0.2229, 0.2830

# Triad

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



79.8502, 0.2363, 0.3264



79.8502, 0.3030, 0.2616



79.8502, 0.3995, 0.3978

# Complementary

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



79.8502, 0.2363, 0.3264



30.4799, 0.5162, 0.3314

# 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.



79.8502, 0.4117, 0.3628



79.8502, 0.2363, 0.3264



79.8502, 0.3535, 0.2876

# Square

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



79.8502, 0.2363, 0.3264



79.8502, 0.2588, 0.2502



79.8502, 0.3946, 0.3235



79.8502, 0.3639, 0.4177



# Rectangle

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



79.8502, 0.2363, 0.3264



79.8502, 0.2258, 0.2634



79.8502, 0.3946, 0.3235



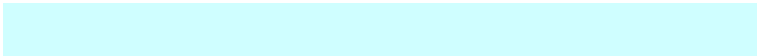
79.8502, 0.4066, 0.3872

# Sweetspot

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



79.8526, 0.2363, 0.3264



91.5540, 0.2841, 0.3283



74.7232, 0.3031, 0.5338



19.3648, 0.2801, 0.3282



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.



79.8526, 0.2363, 0.3264



78.1990, 0.2291, 0.3259



40.1187, 0.2127, 0.2249



20.4401, 0.2980, 0.3287



40.1050, 0.2236, 0.3249



3.9169, 0.2237, 0.3254



# Inverse Universe

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



36.3948, 0.3214, 0.1857



31.6835, 0.3227, 0.1687



52.5796, 0.4543, 0.4082



18.2962, 0.3140, 0.3059



14.7766, 0.3241, 0.1559

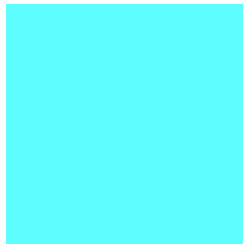


1.4400, 0.3237, 0.1557



# Previews

## White Background



This preview shows how the Yxy color 79.8502, 0.2363, 0.3264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

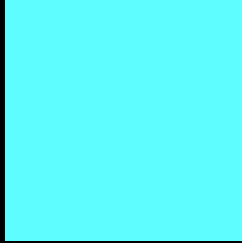
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8502, 0.2363, 0.3264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

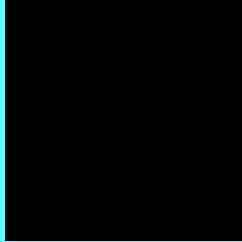
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

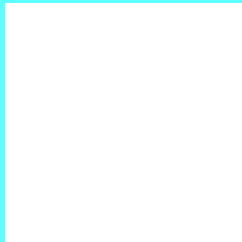
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.8502, 0.2363, 0.3264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8502, 0.2363, 0.3264.

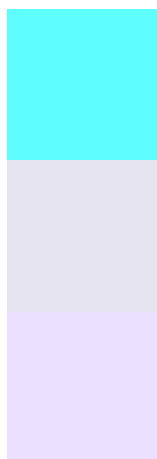


This preview shows how white text looks on a background with the Yxy color 79.8502, 0.2363, 0.3264.

# 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

79.8502, 0.2363, 0.3264

### Protanopia

78.6011, 0.3065, 0.3166

### Deuteranopia

78.7326, 0.3006, 0.2987



## Tritanopia

79.0491, 0.2623, 0.3144

# Trichromacy



## Original Color

79.8502, 0.2363, 0.3264



## Protanomaly

76.9847, 0.2736, 0.3200



## Deuteranomaly

76.8270, 0.2699, 0.3070



## Tritanomaly

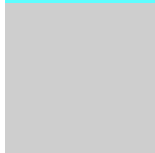
78.7943, 0.2506, 0.3186

# Monochromacy



## Original Color

79.8502, 0.2363, 0.3264



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.1565, 0.2742, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8502, 0.2363, 0.3264 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(94, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 253, 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(94, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8502, 0.2363, 0.3264 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(94, 253, 255) }
```

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

```
.border{ border-color:rgb(94, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8502, 0.2363, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 253, 255) }
```

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

```
.background{ background-color: rgb(94, 253,  
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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