

# Converting Colors

$Yxy(81.4979, 0.2394, 0.3300)$

Have a look what the booklet for  
Yxy(81.4979, 0.2394, 0.3300)  
contains.

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# Color

**Yxy(81.5005, 0.2394, 0.3299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFFE
RGB	102, 255, 254
RGB Percent	40%, 100%, 100%
CMY	0.5995, 0.0000, 0.0038
CMYK	0.60, 0.00, 0.00, 0.00
HSL	180°, 100%, 70%
HSV	180°, 60%, 100%
XYZ	59.1428, 81.5005, 106.4027
YIQ	209.1390, -90.8670, -32.7470

# Conversions

## Conversions Part 2

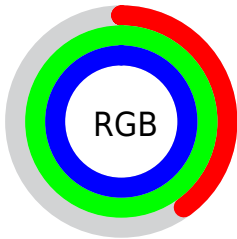
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 179, 255</a>
Decimal	<a href="#">6750206</a>
CIELab	<a href="#">92.35, -40.18, -11.65</a>
CIELCh	<a href="#">92, 41.833, 196.174</a>
Yxy	<a href="#">81.5005, 0.2394, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4284940286</a> ( <a href="#">0xFF66FFFE</a> )
YUV	<a href="#">209.1390, 22.1165, -93.9609</a>
Hunter-Lab	<a href="#">90.2776, -41.0466, -6.6859</a>

# Details

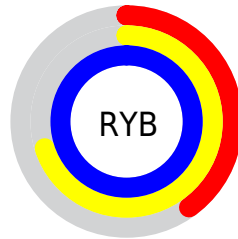
The Yxy color **81.5005, 0.2394, 0.3299** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.7680, 0.5013, 0.3287**, and the grayscale version is **63.7781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.4194, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.2234, 0.2331, 0.3301**, and if you desaturate by 10%, it is **83.2420, 0.2477, 0.3297**.

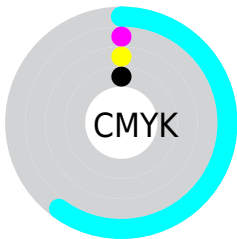
# Distribution



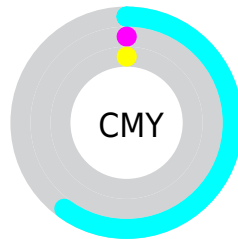
- Red (40%)
- Green (100%)
- Blue (100%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5005, 0.2394, 0.3299 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 81.5005, 0.2394, 0.3299 by changing the saturation by 10% instead.




 81.5005, 0.2394,  
0.3299

 81.5005, 0.2394,  
0.3299


499.9753, 0.2718,  
0.3304


 60.9539, 0.2324,  
0.3296


 135.4733, 0.2503,  
0.3302

 44.1880, 0.2239,  
0.3291


 169.6683, 0.2547,  
0.3303

 30.8183, 0.2134,  
0.3283


 209.1815, 0.2585,  
0.3304

 20.4605, 0.2003,  
0.3271

254.3974, 0.2618,  
0.3304

 12.7302, 0.1833,  
0.3250

305.7004, 0.2647,  
0.3304

 7.2431, 0.1606,  
0.3213

363.4747, 0.2673,

 3.6146, 0.1295,

0.3304

428.1049, 0.2697,  
0.3304

0.3141

1.4604, 0.0665,  
0.3043

0.2606, 0.0000,  
0.1909

81.5005, 0.2394,  
0.3299

81.5005, 0.2394,  
0.3299

80.2234, 0.2331,  
0.3301

83.2420, 0.2477,  
0.3297

79.3579, 0.2288,  
0.3303


85.4766, 0.2578,  
0.3295


78.8551, 0.2263,  
0.3305

88.2415, 0.2696,  
0.3294

78.6309, 0.2252,  
0.3307

91.5678, 0.2829,  
0.3292

 78.6300, 0.2252,  
0.3307

 95.4840, 0.2974,  
0.3291

99.9929, 0.3127,  
0.3290

99.9935, 0.3127,  
0.3290

# Harmonies

## Analogous

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



81.5005, 0.2733, 0.3778



81.5005, 0.2394, 0.3299



81.5005, 0.2247, 0.2865

# Triad

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



81.5005, 0.2394, 0.3299



81.5005, 0.2999, 0.2614



81.5005, 0.3996, 0.3945

# Complementary

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



81.5005, 0.2394, 0.3299



31.7680, 0.5013, 0.3287

# 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.



81.5005, 0.4095, 0.3597



81.5005, 0.2394, 0.3299



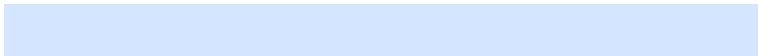
81.5005, 0.3494, 0.2862

# Square

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



81.5005, 0.2394, 0.3299



81.5005, 0.2574, 0.2515



81.5005, 0.3908, 0.3210



81.5005, 0.3660, 0.4153



# Rectangle

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



81.5005, 0.2394, 0.3299



81.5005, 0.2266, 0.2663



81.5005, 0.3908, 0.3210



81.5005, 0.4059, 0.3839

# Sweetspot

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



81.5036, 0.2394, 0.3299



92.2913, 0.2857, 0.3292



75.4593, 0.3047, 0.5231



19.5270, 0.2816, 0.3293



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.



81.5036, 0.2394, 0.3299



80.0207, 0.2321, 0.3301



43.1439, 0.2178, 0.2344



20.4794, 0.2981, 0.3291



41.0905, 0.2252, 0.3306



4.0015, 0.2251, 0.3304



# Inverse Universe

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



31.7680, 0.5013, 0.3287



26.2927, 0.5592, 0.3289



53.2760, 0.4475, 0.4030



17.9889, 0.3294, 0.3289



11.1114, 0.6394, 0.3296

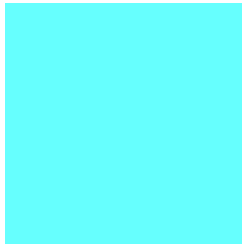


1.0825, 0.6379, 0.3288



# Previews

## White Background



This preview shows how the Yxy color 81.5005, 0.2394, 0.3299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

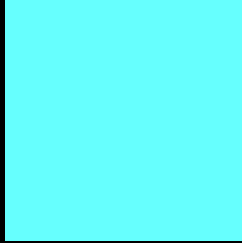
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5005, 0.2394, 0.3299 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 81.5005, 0.2394, 0.3299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5005, 0.2394, 0.3299.

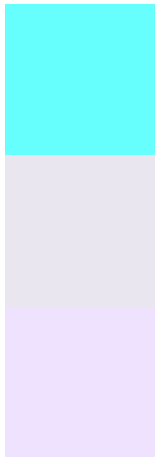


This preview shows how white text looks on a background with the Yxy color 81.5005, 0.2394, 0.3299.

# 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

81.5005, 0.2394, 0.3299

### Protanopia

80.1493, 0.3091, 0.3197

### Deuteranopia

79.7899, 0.3026, 0.2999



## Tritanopia

80.6683, 0.2671, 0.3157

# Trichromacy



## Original Color

81.5005, 0.2394, 0.3299



## Protanomaly

78.5789, 0.2766, 0.3234



## Deuteranomaly

78.6072, 0.2729, 0.3094



## Tritanomaly

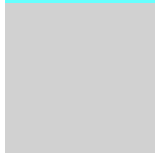
80.2256, 0.2547, 0.3198

# Monochromacy



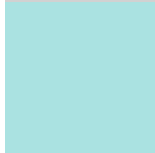
## Original Color

81.5005, 0.2394, 0.3299



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.3750, 0.2769, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5005, 0.2394, 0.3299 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(102, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 254)  
}
```

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(102, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5005, 0.2394, 0.3299 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(102, 255, 254) }
```

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

```
.border{ border-color:rgb(102, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5005, 0.2394, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 254) }
```

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

```
.background{ background-color: rgb(102,  
255, 254) }
```

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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