

# Converting Colors

$Yxy(95.1421, 0.2503, 0.3718)$

Have a look what the booklet for  
Yxy(95.1421, 0.2503, 0.3718)  
contains.

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# **Color**

**Yxy(80.5187, 0.2450, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65FFEF
RGB	101, 255, 239
RGB Percent	40%, 100%, 94%
CMY	0.6041, 0.0000, 0.0627
CMYK	0.60, 0.00, 0.06, 0.00
HSL	174°, 100%, 70%
HSV	174°, 60%, 100%
XYZ	56.7033, 80.5187, 94.2201
YIQ	207.1300, -86.6480, -37.6240

# Conversions

## Conversions Part 2

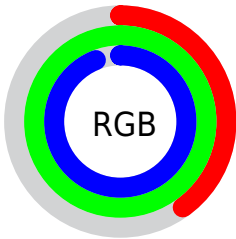
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 182, 255
Decimal	6684655
CIE <sub>Lab</sub>	91.92, -44.25, -4.52
CIE <sub>LCh</sub>	92, 44.476, 185.836
Yxy	80.5187, 0.2450, 0.3479
Android (android.graphics.Color)	4284874735 (0xFF65FFEF)
YUV	207.1300, 15.7119, -93.0760
Hunter-Lab	89.7322, -44.2342, 0.5572

# Details

The Yxy color **80.5187, 0.2450, 0.3479** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8416, 0.4846, 0.3143**, and the grayscale version is **62.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **43.8071, 0.2312, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **79.1114, 0.2394, 0.3515**, and if you desaturate by 10%, it is **82.3804, 0.2525, 0.3443**.

# Distribution



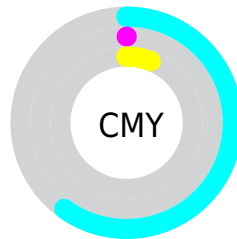
- Red (40%)
- Green (100%)
- Blue (94%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5187, 0.2450, 0.3479 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 80.5187, 0.2450, 0.3479 by changing the saturation by 10% instead.





 80.5187, 0.2450,  
0.3479


 80.5187, 0.2450,  
0.3479

496.6792, 0.2753,  
0.3398

 60.1453, 0.2383,  
0.3496


 134.0948, 0.2553,  
0.3452

 43.5357, 0.2303,  
0.3516


 168.0662, 0.2594,  
0.3441

 30.3057, 0.2203,  
0.3540


 207.3391, 0.2629,  
0.3432

 20.0707, 0.2075,  
0.3570

252.2978, 0.2660,  
0.3424

 12.4465, 0.1909,  
0.3606

303.3268, 0.2687,  
0.3416

 7.0485, 0.1684,  
0.3651


360.8104, 0.2711,


 3.4925, 0.1366,


0.3410


0.3704


425.1331, 0.2733,  
0.3404


 1.3939, 0.0489,  
0.3921


 0.2122, 0.0000,  
0.2794


 80.5187, 0.2450,  
0.3479


 80.5187, 0.2450,  
0.3479


 79.1114, 0.2394,  
0.3515


 82.3804, 0.2525,  
0.3443


 78.1211, 0.2359,  
0.3551


 84.7411, 0.2618,  
0.3409

 77.4932, 0.2342,  
0.3587

 87.6329, 0.2727,  
0.3376

 77.1509, 0.2339,  
0.3621

 91.0870, 0.2849,  
0.3346

 95.1322, 0.2982,  
0.3317

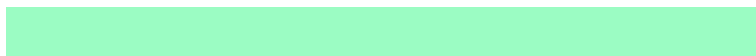
99.7952, 0.3121,  
0.3291

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.



80.5187, 0.2866, 0.3965



80.5187, 0.2450, 0.3479



80.5187, 0.2221, 0.2977

# Triad

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



80.5187, 0.2450, 0.3479



80.5187, 0.2818, 0.2518



80.5187, 0.4123, 0.3865

# Complementary

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



80.5187, 0.2450, 0.3479



31.8416, 0.4846, 0.3143

# 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.



80.5187, 0.4126, 0.3470



80.5187, 0.2450, 0.3479



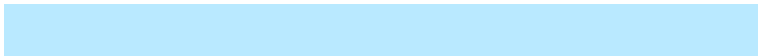
80.5187, 0.3335, 0.2731

# Square

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



80.5187, 0.2450, 0.3479



80.5187, 0.2420, 0.2473



80.5187, 0.3830, 0.3068

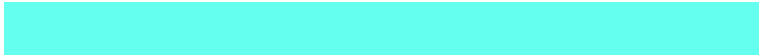


80.5187, 0.3838, 0.4158



# Rectangle

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



80.5187, 0.2450, 0.3479



80.5187, 0.2191, 0.2720



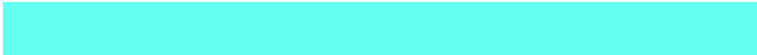
80.5187, 0.3830, 0.3068



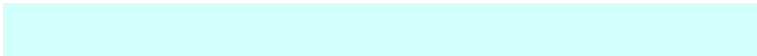
80.5187, 0.4158, 0.3740

# Sweetspot

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



80.5166, 0.2450, 0.3479



92.0068, 0.2880, 0.3338



76.3754, 0.3115, 0.5206



19.4565, 0.2843, 0.3347



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.



80.5166, 0.2450, 0.3479



78.9275, 0.2387, 0.3521



49.4410, 0.2218, 0.2542



20.4471, 0.2994, 0.3315



40.3262, 0.2338, 0.3616



3.9354, 0.2326, 0.3575



# Inverse Universe

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



31.8416, 0.4846, 0.3143



26.5635, 0.5374, 0.3145



47.3421, 0.4604, 0.3881



18.0177, 0.3278, 0.3266



11.1588, 0.6282, 0.3235

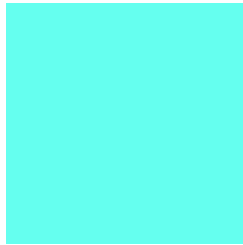


1.0961, 0.6064, 0.3114



# Previews

## White Background



This preview shows how the Yxy color 80.5187, 0.2450, 0.3479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

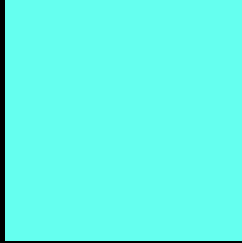
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5187, 0.2450, 0.3479 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

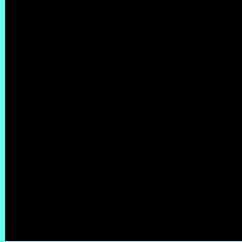
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

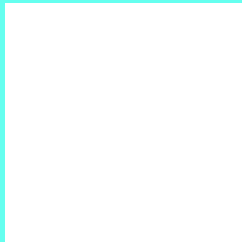
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.5187, 0.2450, 0.3479**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5187, 0.2450, 0.3479.

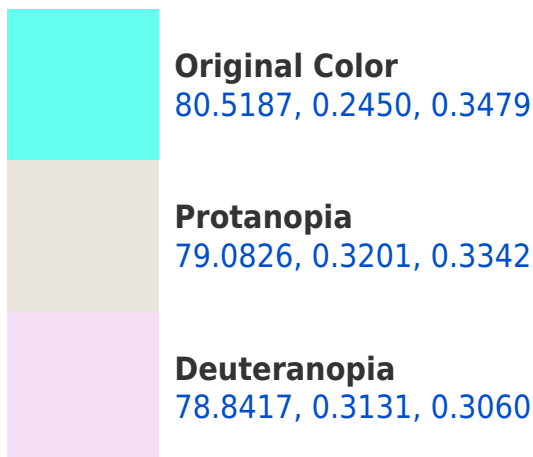


This preview shows how white text looks on a background with the Yxy color 80.5187, 0.2450, 0.3479.

# 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

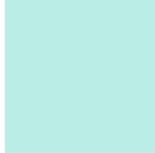
79.6085, 0.2649, 0.3146

# Trichromacy



## Original Color

80.5187, 0.2450, 0.3479



## Protanomaly

77.2453, 0.2852, 0.3391



## Deuteranomaly

77.2252, 0.2814, 0.3201



## Tritanomaly

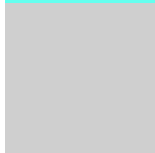
79.5641, 0.2561, 0.3266

# Monochromacy



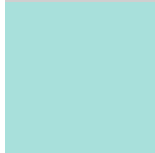
## Original Color

80.5187, 0.2450, 0.3479



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.7506, 0.2789, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5187, 0.2450, 0.3479 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(101, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 239)  
}
```

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(101, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5187, 0.2450, 0.3479 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(101, 255, 239) }
```

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

```
.border{ border-color:rgb(101, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5187, 0.2450, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 239) }
```

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

```
.background{ background-color: rgb(101,  
255, 239) }
```

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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