

# Converting Colors

$Y_{xy}(116.4059, 0.2599, 0.4007)$

Have a look what the booklet for  
Yxy(116.4059, 0.2599, 0.4007)  
contains.

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# Color

**Yxy(81.1451, 0.2497, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71FFED
RGB	113, 255, 237
RGB Percent	44%, 100%, 93%
CMY	0.5566, 0.0000, 0.0707
CMYK	0.56, 0.00, 0.07, 0.00
HSL	172°, 100%, 72%
HSV	172°, 56%, 100%
XYZ	57.8582, 81.1451, 92.7075
YIQ	210.4900, -78.8540, -35.7020

# Conversions

## Conversions Part 2

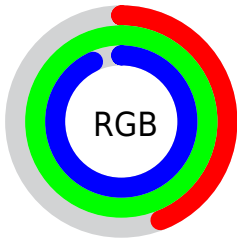
Format	Color
R <sub>Y</sub> B	113, 189, 255
Decimal	7471085
CIE Lab	92.20, -42.61, -3.02
CIE LCh	92, 42.717, 184.048
Yxy	81.1451, 0.2497, 0.3502
Android (android.graphics.Color)	4285661165 (0xFF71FFED)
YUV	210.4900, 13.0694, -85.4987
Hunter-Lab	90.0806, -42.9916, 2.0374

# Details

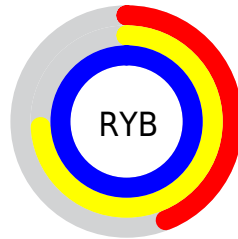
The Yxy color **81.1451, 0.2497, 0.3502** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.7273, 0.4597, 0.3115**, and the grayscale version is **64.7503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **44.1177, 0.2361, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **79.4986, 0.2434, 0.3546**, and if you desaturate by 10%, it is **83.2756, 0.2579, 0.3459**.

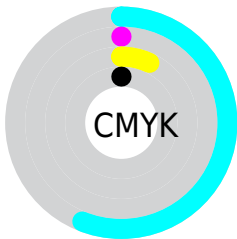
# Distribution



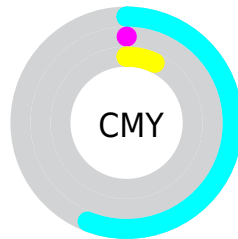
- Red (44%)
- Green (100%)
- Blue (93%)



- Red (44%)
- Yellow (74%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1451, 0.2497, 0.3502 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 81.1451, 0.2497, 0.3502 by changing the saturation by 10% instead.




 81.1451, 0.2497,  
0.3502


 81.1451, 0.2497,  
0.3502


498.7836, 0.2779,  
0.3409


 60.6611, 0.2435,  
0.3522


 134.9745, 0.2593,  
0.3471

 43.9517, 0.2359,  
0.3546

 169.0887, 0.2631,  
0.3458

 30.6326, 0.2265,  
0.3575


 208.5151, 0.2664,  
0.3448

 20.3192, 0.2146,  
0.3612

253.6380, 0.2693,  
0.3438

 12.6273, 0.1989,  
0.3658

304.8419, 0.2718,  
0.3430

 7.1724, 0.1775,  
0.3719


362.5113, 0.2741,


 3.5702, 0.1470,


0.3422


0.3799


427.0303, 0.2761,  
0.3415


 1.4361, 0.0684,  
0.4043


 0.2431, 0.0000,  
0.3383


 81.1451, 0.2497,  
0.3502


 81.1451, 0.2497,  
0.3502


 79.4986, 0.2434,  
0.3546


 83.2756, 0.2579,  
0.3459


 78.2870, 0.2390,  
0.3592


 85.9180, 0.2678,  
0.3417


 77.4651, 0.2366,  
0.3637

 89.1079, 0.2791,  
0.3378

 76.9739, 0.2360,  
0.3681

 92.8752, 0.2916,  
0.3341

 76.8262, 0.2361,  
0.3700

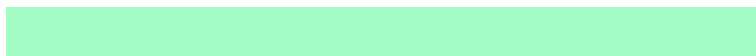
 97.2476, 0.3049,  
0.3308

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.



81.1451, 0.2906, 0.3956



81.1451, 0.2497, 0.3502



81.1451, 0.2264, 0.3018

# Triad

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



81.1451, 0.2497, 0.3502



81.1451, 0.2804, 0.2539



81.1451, 0.4090, 0.3825

# Complementary

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



81.1451, 0.2497, 0.3502



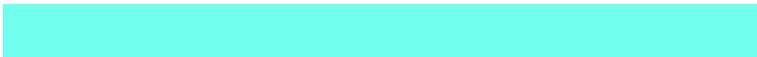
34.7273, 0.4597, 0.3115

# 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.



81.1451, 0.4075, 0.3442



81.1451, 0.2497, 0.3502



81.1451, 0.3297, 0.2736

# Square

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



81.1451, 0.2497, 0.3502



81.1451, 0.2430, 0.2508



81.1451, 0.3776, 0.3056



81.1451, 0.3832, 0.4111



# Rectangle

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



81.1451, 0.2497, 0.3502



81.1451, 0.2225, 0.2763



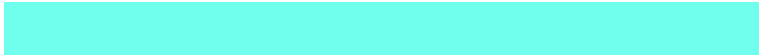
81.1451, 0.3776, 0.3056



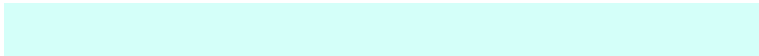
81.1451, 0.4118, 0.3703

# Sweetspot

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



81.1479, 0.2497, 0.3502



92.3354, 0.2899, 0.3346



77.6189, 0.3135, 0.5041



19.5948, 0.2873, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

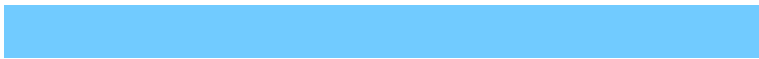
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1479, 0.2497, 0.3502



79.3117, 0.2427, 0.3553



53.4278, 0.2286, 0.2643



20.4394, 0.2997, 0.3320



40.1590, 0.2359, 0.3693



3.9208, 0.2345, 0.3642



# Inverse Universe

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



34.7273, 0.4597, 0.3115



28.6616, 0.5092, 0.3104



49.4041, 0.4464, 0.3823



18.0246, 0.3274, 0.3260



11.1760, 0.6243, 0.3213

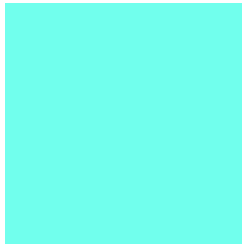


1.0994, 0.5995, 0.3076



# Previews

## White Background



This preview shows how the Yxy color 81.1451, 0.2497, 0.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

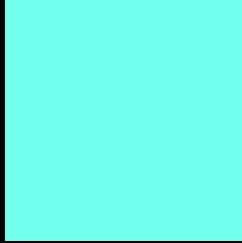
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1451, 0.2497, 0.3502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

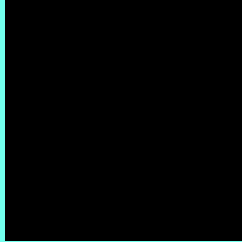
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

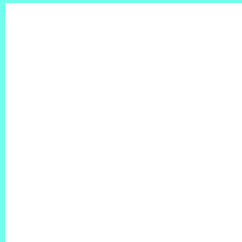
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1451, 0.2497, 0.3502**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1451, 0.2497, 0.3502.

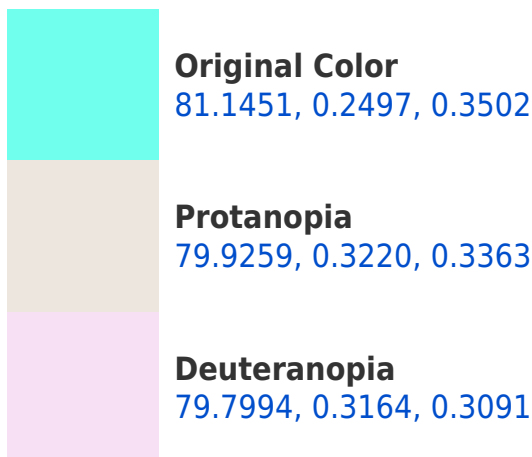


This preview shows how white text looks on a background with the Yxy color 81.1451, 0.2497, 0.3502.

# 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

80.1892, 0.2675, 0.3147

# Trichromacy



## Original Color

81.1451, 0.2497, 0.3502



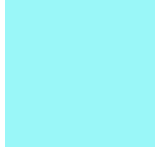
## Protanomaly

78.5409, 0.2894, 0.3412



## Deuteranomaly

77.9096, 0.2861, 0.3224



## Tritanomaly

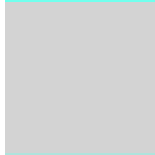
80.1689, 0.2597, 0.3277

# Monochromacy



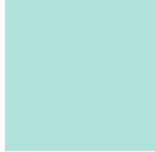
## Original Color

81.1451, 0.2497, 0.3502



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

69.2194, 0.2828, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1451, 0.2497, 0.3502 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(113, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 237)  
}
```

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(113, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1451, 0.2497, 0.3502 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(113, 255, 237) }
```

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

```
.border{ border-color:rgb(113, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1451, 0.2497, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 237) }
```

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

```
.background{ background-color: rgb(113,  
255, 237) }
```

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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