

# Converting Colors

$Yxy(81.7322, 0.2455, 0.3382)$

Have a look what the booklet for  
Yxy(81.7322, 0.2455, 0.3382)  
contains.

|  |    |
|--|----|
| <b>Yxy(81.7461, 0.2455, 0.3381)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(81.7461, 0.2455, 0.3381)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 71FFF7                       |
| RGB         | 113, 255, 247                |
| RGB Percent | 44%, 100%, 97%               |
| CMY         | 0.5571, 0.0000, 0.0312       |
| CMYK        | 0.56, 0.00, 0.03, 0.00       |
| HSL         | 177°, 100%, 72%              |
| HSV         | 177°, 56%, 100%              |
| XYZ         | 59.3572, 81.7461, 100.6775   |
| YIQ         | 211.6300, -82.0640, -32.5920 |

# Conversions

## Conversions Part 2

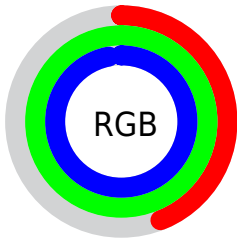
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">113, 186, 255</a>                                |
| Decimal                             | <a href="#">7471095</a>                                      |
| CIELab                              | <a href="#">92.46, -40.13, -7.84</a>                         |
| CIElCh                              | <a href="#">92, 40.889, 191.054</a>                          |
| Yxy                                 | <a href="#">81.7461, 0.2455, 0.3381</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4285661175</a><br>( <a href="#">0xFF71FFF7</a> ) |
| YUV                                 | <a href="#">211.6300, 17.4374, -86.4985</a>                  |
| Hunter-Lab                          | <a href="#">90.4135, -41.0371, -2.7313</a>                   |

# Details

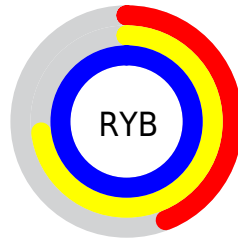
The Yxy color **81.7461, 0.2455, 0.3381** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.4353, 0.4725, 0.3217**, and the grayscale version is **65.4933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **44.5071, 0.2311, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **80.1976, 0.2387, 0.3400**, and if you desaturate by 10%, it is **83.7675, 0.2542, 0.3363**.

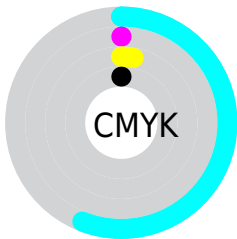
# Distribution



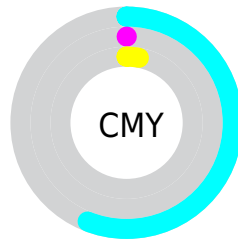
- Red (44%)
- Green (100%)
- Blue (97%)



- Red (44%)
- Yellow (73%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7461, 0.2455, 0.3381 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 81.7461, 0.2455, 0.3381 by changing the saturation by 10% instead.




 81.7461, 0.2455,  
0.3381


 81.7461, 0.2455,  
0.3381


500.7980, 0.2754,  
0.3346

 61.1563, 0.2390,  
0.3387


 135.8179, 0.2556,  
0.3370

 44.3513, 0.2311,  
0.3394


 170.0686, 0.2596,  
0.3366

 30.9468, 0.2213,  
0.3401


 209.6418, 0.2631,  
0.3362

 20.5583, 0.2090,  
0.3409

254.9218, 0.2662,  
0.3358

 12.8015, 0.1929,  
0.3415

306.2931, 0.2689,  
0.3355

 7.2920, 0.1713,  
0.3417

364.1399, 0.2713,

 3.6454, 0.1409,

0.3352

428.8468, 0.2734,  
0.3349

0.3406

1.4772, 0.0768,  
0.3421

0.2726, 0.0000,  
0.2440

81.7461, 0.2455,  
0.3381

81.7461, 0.2455,  
0.3381

80.1976, 0.2387,  
0.3400

83.7675, 0.2542,  
0.3363

79.0851, 0.2339,  
0.3419

86.3020, 0.2647,  
0.3345

78.3593, 0.2309,  
0.3438

89.3811, 0.2767,  
0.3328

77.9611, 0.2297,  
0.3456

93.0345, 0.2900,  
0.3312

■ 77.8538, 0.2296,  
0.3464

■ 97.2902, 0.3043,  
0.3298

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.



81.7461, 0.2814, 0.3836



81.7461, 0.2455, 0.3381



81.7461, 0.2276, 0.2939

# Triad

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



81.7461, 0.2455, 0.3381



81.7461, 0.2923, 0.2601



81.7461, 0.4011, 0.3880

# Complementary

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



81.7461, 0.2455, 0.3381



34.4353, 0.4725, 0.3217

# 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.



81.7461, 0.4061, 0.3527



81.7461, 0.2455, 0.3381



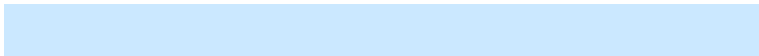
81.7461, 0.3404, 0.2822

# Square

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



81.7461, 0.2455, 0.3381



81.7461, 0.2529, 0.2532



81.7461, 0.3833, 0.3150



81.7461, 0.3716, 0.4114



# Rectangle

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



81.7461, 0.2455, 0.3381



81.7461, 0.2271, 0.2720



81.7461, 0.3833, 0.3150



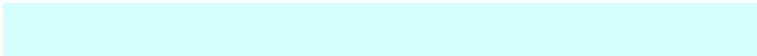
81.7461, 0.4058, 0.3771

# Sweetspot

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



81.7448, 0.2455, 0.3381



92.5296, 0.2882, 0.3314



76.8787, 0.3087, 0.5069



19.6412, 0.2855, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

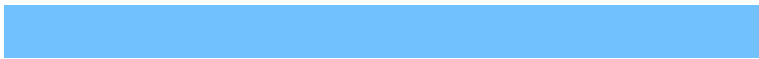
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7448, 0.2455, 0.3381



80.0305, 0.2380, 0.3402



49.0622, 0.2259, 0.2518



20.4629, 0.2988, 0.3303



40.6879, 0.2295, 0.3461



3.9668, 0.2289, 0.3440



# Inverse Universe

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



34.4353, 0.4725, 0.3217



28.4271, 0.5251, 0.3215



52.9167, 0.4402, 0.3918



18.0036, 0.3286, 0.3277



11.1323, 0.6344, 0.3269

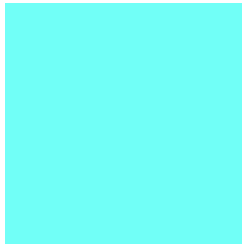


1.0895, 0.6213, 0.3196



# Previews

## White Background



This preview shows how the Yxy color 81.7461, 0.2455, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

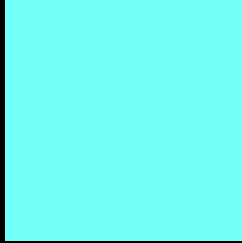
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7461, 0.2455, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

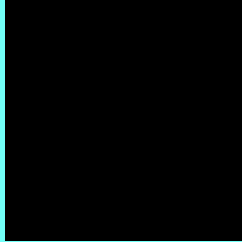
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.7461, 0.2455, 0.3381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7461, 0.2455, 0.3381.

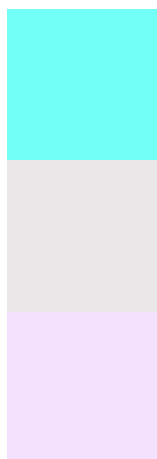


This preview shows how white text looks on a background with the Yxy color 81.7461, 0.2455, 0.3381.

# 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

81.7461, 0.2455, 0.3381

### Protanopia

80.6972, 0.3142, 0.3269

### Deuteranopia

80.1754, 0.3079, 0.3012



## Tritanopia

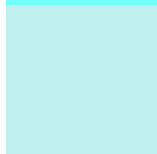
81.0245, 0.2686, 0.3158

# Trichromacy



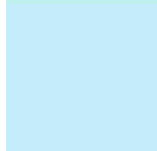
## Original Color

81.7461, 0.2455, 0.3381



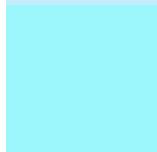
## Protanomaly

79.5696, 0.2833, 0.3311



## Deuteranomaly

78.6917, 0.2789, 0.3127



## Tritanomaly

80.6177, 0.2588, 0.3232

# Monochromacy



## Original Color

81.7461, 0.2455, 0.3381



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.1532, 0.2807, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7461, 0.2455, 0.3381 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7461, 0.2455, 0.3381 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, 247) }
```

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

```
.border{ border-color:rgb(113, 255, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7461, 0.2455, 0.3381 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, 247) }
```

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

```
.background{ background-color: rgb(113,  
255, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor