

# Converting Colors

$Yxy(82.6088, 0.2523, 0.3421)$

Have a look what the booklet for  
Yxy(82.6088, 0.2523, 0.3421)  
contains.

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# Color

**Yxy(82.6408, 0.2521, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FFF4
RGB	128, 255, 244
RGB Percent	50%, 100%, 96%
CMY	0.4979, 0.0000, 0.0433
CMYK	0.50, 0.00, 0.04, 0.00
HSL	175°, 100%, 75%
HSV	175°, 50%, 100%
XYZ	60.9887, 82.6408, 98.2932
YIQ	215.7730, -72.1610, -30.3450

# Conversions

## Conversions Part 2

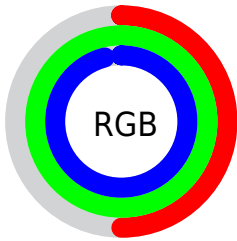
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 194, 255
Decimal	8454132
CIELab	92.86, -37.95, -5.61
CIELCh	93, 38.362, 188.408
Yxy	82.6408, 0.2521, 0.3416
Android (android.graphics.Color)	4286644212 (0xFF80FFF4)
YUV	215.7730, 13.9159, -76.9769
Hunter-Lab	90.9070, -39.3331, -0.4724

# Details

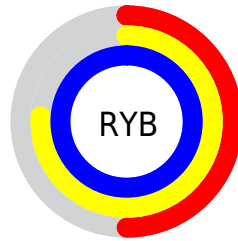
The Yxy color **82.6408, 0.2521, 0.3416** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.5711, 0.4422, 0.3181**, and the grayscale version is **68.4493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **45.0758, 0.2390, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **80.7711, 0.2444, 0.3445**, and if you desaturate by 10%, it is **85.0084, 0.2616, 0.3388**.

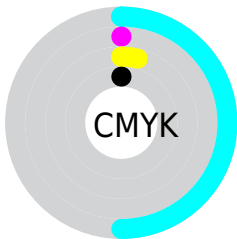
# Distribution



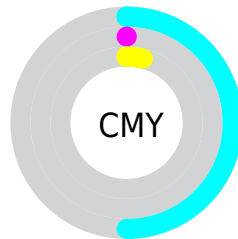
- Red (50%)
- Green (100%)
- Blue (96%)



- Red (50%)
- Yellow (76%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6408, 0.2521, 0.3416 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 82.6408, 0.2521, 0.3416 by changing the saturation by 10% instead.




 82.6408, 0.2521,  
0.3416

 82.6408, 0.2521,  
0.3416


503.7886, 0.2791,  
0.3364


 61.8939, 0.2462,  
0.3427


 137.0723, 0.2613,  
0.3399

 44.9470, 0.2390,  
0.3439


 171.5256, 0.2649,  
0.3392

 31.4156, 0.2301,  
0.3454

 211.3165, 0.2680,  
0.3386

 20.9156, 0.2188,  
0.3471

256.8294, 0.2708,  
0.3381

 13.0623, 0.2041,  
0.3491

308.4486, 0.2732,  
0.3376

 7.4715, 0.1841,  
0.3515

366.5587, 0.2754,

 3.7587, 0.1556,

0.3371

431.5439, 0.2773,  
0.3367

0.3539

1.5395, 0.0997,  
0.3601

0.3163, 0.0000,  
0.3004

82.6408, 0.2521,  
0.3416

82.6408, 0.2521,  
0.3416

80.7711, 0.2444,  
0.3445

85.0084, 0.2616,  
0.3388

79.3622, 0.2386,  
0.3475

87.9087, 0.2728,  
0.3360

78.3702, 0.2347,  
0.3505

91.3725, 0.2853,  
0.3335

77.7436, 0.2328,  
0.3535

95.4283, 0.2988,  
0.3311

■ 77.3996, 0.2324,  
0.3565

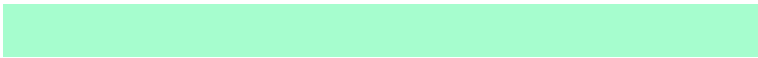
100.0000, 0.3127,  
0.3290

■ 77.3936, 0.2324,  
0.3565

# Harmonies

## Analogous

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



82.6408, 0.2872, 0.3830



82.6408, 0.2521, 0.3416



82.6408, 0.2335, 0.2996

# Triad

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



82.6408, 0.2521, 0.3416



82.6408, 0.2900, 0.2629



82.6408, 0.3969, 0.3821

# Complementary

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



82.6408, 0.2521, 0.3416



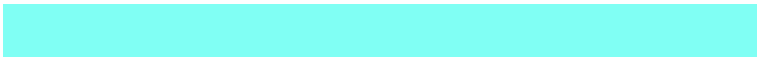
38.5711, 0.4422, 0.3181

# 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.



82.6408, 0.3990, 0.3485



82.6408, 0.2521, 0.3416



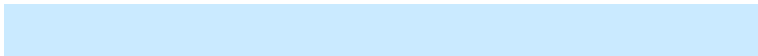
82.6408, 0.3347, 0.2827

# Square

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



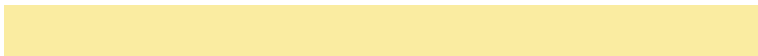
82.6408, 0.2521, 0.3416



82.6408, 0.2541, 0.2579



82.6408, 0.3757, 0.3131

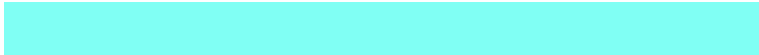


82.6408, 0.3712, 0.4049



# Rectangle

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



82.6408, 0.2521, 0.3416



82.6408, 0.2318, 0.2781



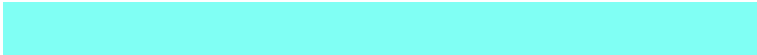
82.6408, 0.3757, 0.3131



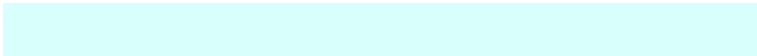
82.6408, 0.4005, 0.3716

# Sweetspot

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



82.6406, 0.2521, 0.3416



93.2411, 0.2916, 0.3323



78.7177, 0.3118, 0.4851



19.7779, 0.2888, 0.3328



0.0000, 0.0000, 0.0000

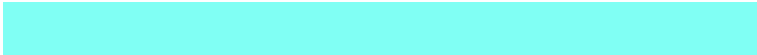


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.6406, 0.2521, 0.3416



80.7376, 0.2442, 0.3446



55.0971, 0.2355, 0.2670



20.4526, 0.2992, 0.3311



40.4512, 0.2322, 0.3560



3.9463, 0.2313, 0.3526



# Inverse Universe

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



38.5711, 0.4422, 0.3181



32.0075, 0.4861, 0.3169



54.9856, 0.4251, 0.3818



18.0127, 0.3281, 0.3270



11.1481, 0.6307, 0.3248

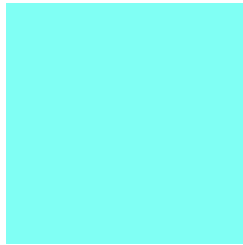


1.0938, 0.6116, 0.3143



# Previews

## White Background



This preview shows how the Yxy color 82.6408, 0.2521, 0.3416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

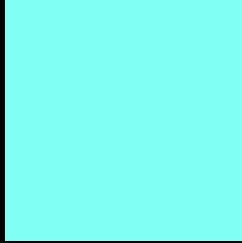
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.6408, 0.2521, 0.3416 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

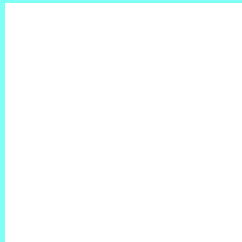
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.6408, 0.2521, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6408, 0.2521, 0.3416.

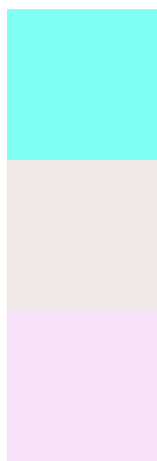


This preview shows how white text looks on a background with the Yxy color 82.6408, 0.2521, 0.3416.

# 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

82.6408, 0.2521, 0.3416

### Protanopia

81.6035, 0.3181, 0.3311

### Deuteranopia

81.2513, 0.3125, 0.3053



## Tritanopia

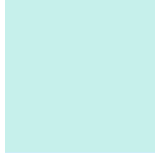
81.8860, 0.2724, 0.3160

# Trichromacy



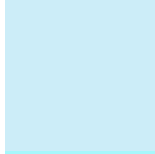
## Original Color

82.6408, 0.2521, 0.3416



## Protanomaly

80.3241, 0.2891, 0.3344



## Deuteranomaly

80.1831, 0.2853, 0.3172



## Tritanomaly

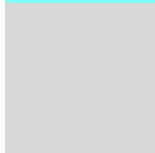
81.5936, 0.2640, 0.3244

# Monochromacy



## Original Color

82.6408, 0.2521, 0.3416



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.2750, 0.2851, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6408, 0.2521, 0.3416 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(128, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 244)  
}
```

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(128, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6408, 0.2521, 0.3416 is called "border". The border property can be set on classes, ids or directly on the HTML element.

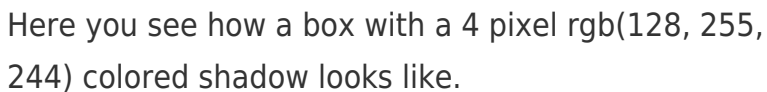
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 255, 244) }
```

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

```
.border{ border-color:rgb(128, 255, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 255, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 255, 244); box-shadow:4px 4px 4px 4px rgb(128, 255, 244) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6408, 0.2521, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 244) }
```

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

```
.background{ background-color: rgb(128,  
255, 244) }
```

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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