

# Converting Colors

Yxy(82.9630, 0.2614, 0.3540)

Have a look what the booklet for  
Yxy(82.9630, 0.2614, 0.3540)  
contains.

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# Color

**Yxy(82.9786, 0.2617, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFFE9
RGB	140, 255, 233
RGB Percent	55%, 100%, 91%
CMY	0.4513, 0.0000, 0.0862
CMYK	0.45, 0.00, 0.09, 0.00
HSL	169°, 100%, 77%
HSV	169°, 45%, 100%
XYZ	61.2740, 82.9786, 89.8857
YIQ	218.1070, -61.4780, -31.2220

# Conversions

## Conversions Part 2

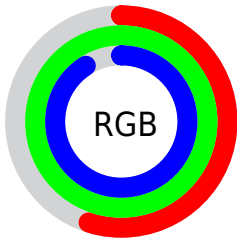
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 204, 255
Decimal	9240553
CIELab	93.01, -37.92, 0.32
CIELCh	93, 37.918, 179.513
Yxy	82.9786, 0.2617, 0.3544
Android (android.graphics.Color)	4287430633 (0xFF8CFFE9)
YUV	218.1070, 7.3422, -68.4998
Hunter-Lab	91.0926, -39.3429, 5.2604

# Details

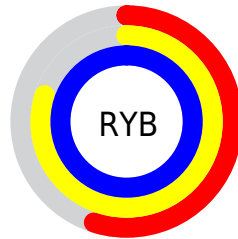
The Yxy color **82.9786, 0.2617, 0.3544** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.5984, 0.4107, 0.3063**, and the grayscale version is **70.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.2680, 0.2507, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **80.7349, 0.2539, 0.3611**, and if you desaturate by 10%, it is **85.7308, 0.2711, 0.3480**.

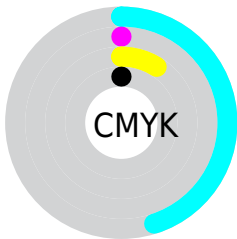
# Distribution



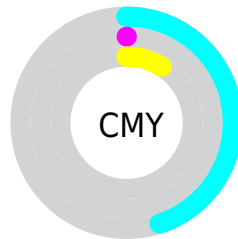
- Red (55%)
- Green (100%)
- Blue (91%)



- Red (55%)
- Yellow (80%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9786, 0.2617, 0.3544 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 82.9786, 0.2617, 0.3544 by changing the saturation by 10% instead.




 82.9786, 0.2617,  
0.3544


 82.9786, 0.2617,  
0.3544


504.9152, 0.2846,  
0.3430

 62.1725, 0.2566,  
0.3569

 137.5455, 0.2695,  
0.3505

 45.1721, 0.2504,  
0.3600


 172.0751, 0.2726,  
0.3490

 31.5930, 0.2427,  
0.3639


211.9479, 0.2753,  
0.3476

 21.0508, 0.2329,  
0.3688

257.5484, 0.2776,  
0.3465

 13.1612, 0.2198,  
0.3754

309.2610, 0.2797,  
0.3454

 7.5396, 0.2018,  
0.3844

367.4701, 0.2815,


 3.8018, 0.1756,


0.3445


0.3976


432.5600, 0.2832,  
0.3437


 1.5633, 0.1205,  
0.4253


 0.3327, 0.0000,  
0.4948

 82.9786, 0.2617,  
0.3544


 82.9786, 0.2617,  
0.3544


 80.7349, 0.2539,  
0.3611


 85.7308, 0.2711,  
0.3480


 78.9821, 0.2480,  
0.3680

 89.0425, 0.2818,  
0.3420

 77.6734, 0.2440,  
0.3750

 92.9374, 0.2936,  
0.3365

 76.7613, 0.2420,  
0.3820

 97.4433, 0.3061,  
0.3314

■ 76.1874, 0.2419,  
0.3890

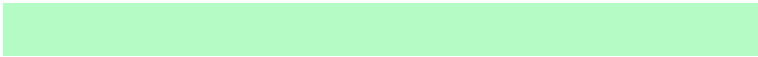
100.0000, 0.3127,  
0.3290

■ 75.9898, 0.2423,  
0.3923

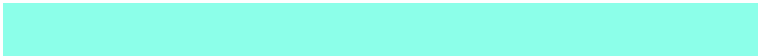
# Harmonies

## Analogous

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



82.9786, 0.2999, 0.3917



82.9786, 0.2617, 0.3544



82.9786, 0.2379, 0.3115

# Triad

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



82.9786, 0.2617, 0.3544



82.9786, 0.2784, 0.2606



82.9786, 0.3991, 0.3723

# Complementary

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



82.9786, 0.2617, 0.3544



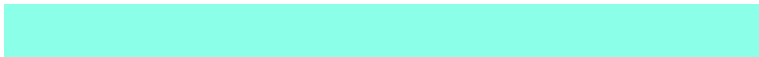
42.5984, 0.4107, 0.3063

# 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.



82.9786, 0.3936, 0.3378



82.9786, 0.2617, 0.3544



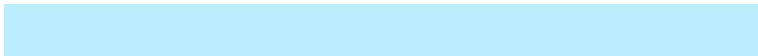
82.9786, 0.3211, 0.2761

# Square

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



82.9786, 0.2617, 0.3544



82.9786, 0.2471, 0.2605



82.9786, 0.3642, 0.3036

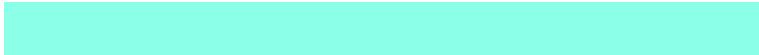


82.9786, 0.3800, 0.3990



# Rectangle

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



82.9786, 0.2617, 0.3544



82.9786, 0.2324, 0.2874



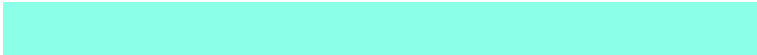
82.9786, 0.3642, 0.3036



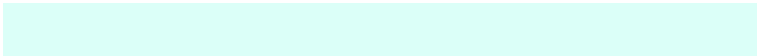
82.9786, 0.4002, 0.3612

# Sweetspot

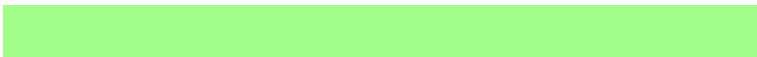
The Sweet Spot groups the original color and five complimentary colors.



82.9725, 0.2617, 0.3544



93.4151, 0.2950, 0.3359



81.1910, 0.3189, 0.4658



19.8007, 0.2923, 0.3370



0.0000, 0.0000, 0.0000

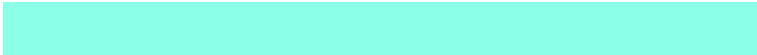


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.9725, 0.2617, 0.3544



80.9626, 0.2547, 0.3603



64.2254, 0.2448, 0.2881



20.4184, 0.3006, 0.3336



39.7275, 0.2420, 0.3912



3.8827, 0.2398, 0.3832



# Inverse Universe

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



42.5984, 0.4107, 0.3063



36.0543, 0.4420, 0.3027



53.5953, 0.4172, 0.3654



18.0438, 0.3264, 0.3245



11.2395, 0.6103, 0.3136

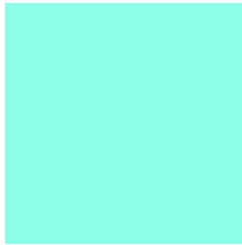


1.1086, 0.5809, 0.2974



# Previews

## White Background



This preview shows how the Yxy color 82.9786, 0.2617, 0.3544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

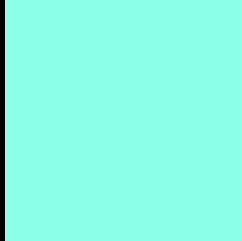
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9786, 0.2617, 0.3544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

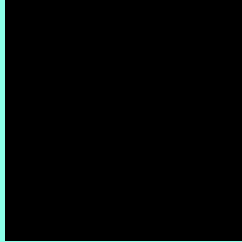
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

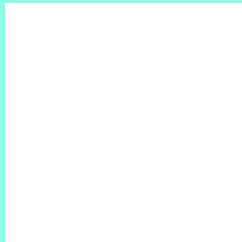
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9786, 0.2617, 0.3544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9786, 0.2617, 0.3544.

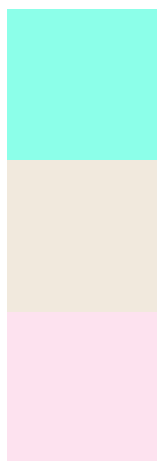


This preview shows how white text looks on a background with the Yxy color 82.9786, 0.2617, 0.3544.

# 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

82.9786, 0.2617, 0.3544

### Protanopia

82.1991, 0.3259, 0.3414

### Deuteranopia

81.5074, 0.3231, 0.3162



## Tritanopia

82.3976, 0.2746, 0.3160

# Trichromacy



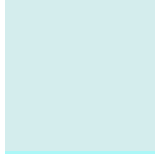
## Original Color

82.9786, 0.2617, 0.3544



## Protanomaly

81.1842, 0.2985, 0.3464



## Deuteranomaly

80.6798, 0.2965, 0.3290



## Tritanomaly

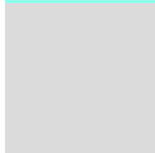
82.0076, 0.2689, 0.3289

# Monochromacy



## Original Color

82.9786, 0.2617, 0.3544



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.4267, 0.2906, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9786, 0.2617, 0.3544 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(140, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 233)  
}
```

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(140, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9786, 0.2617, 0.3544 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(140, 255, 233) }
```

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

```
.border{ border-color:rgb(140, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9786, 0.2617, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 233) }
```

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

```
.background{ background-color: rgb(140,  
255, 233) }
```

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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