

# Converting Colors

$Yxy(81.9569, 0.2526, 0.3419)$

Have a look what the booklet for  
Yxy(81.9569, 0.2526, 0.3419)  
contains.

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# Color

**Yxy(82.0218, 0.2527, 0.3416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FEF3
RGB	129, 254, 243
RGB Percent	51%, 100%, 95%
CMY	0.4939, 0.0039, 0.0471
CMYK	0.49, 0.00, 0.04, 0.00
HSL	175°, 98%, 75%
HSV	175°, 49%, 100%
XYZ	60.6760, 82.0218, 97.4129
YIQ	215.3710, -70.9690, -29.9210

# Conversions

## Conversions Part 2

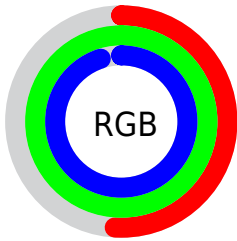
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 194, 254
Decimal	8519411
CIE Lab	92.58, -37.51, -5.50
CIE LCh	93, 37.915, 188.341
Yxy	82.0218, 0.2527, 0.3416
Android (android.graphics.Color)	4286709491 (0xFF81FEF3)
YUV	215.3710, 13.6211, -75.7474
Hunter-Lab	90.5659, -38.9016, -0.3763

# Details

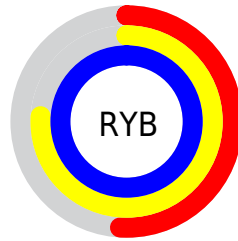
The Yxy color **82.0218, 0.2527, 0.3416** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.6811, 0.4396, 0.3180**, and the grayscale version is **68.1712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **44.6442, 0.2398, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **80.1415, 0.2449, 0.3446**, and if you desaturate by 10%, it is **84.4044, 0.2623, 0.3387**.

# Distribution



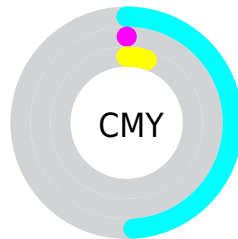
- Red (51%)
- Green (100%)
- Blue (95%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0218, 0.2527, 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 82.0218, 0.2527, 0.3416 by changing the saturation by 10% instead.



 82.0218, 0.2527,  
0.3416


 82.0218, 0.2527,  
0.3416


501.7206, 0.2795,  
0.3364


 61.3835, 0.2468,  
0.3427


 136.2046, 0.2618,  
0.3399

 44.5347, 0.2397,  
0.3439


 170.5178, 0.2654,  
0.3392

 31.0911, 0.2308,  
0.3454


 210.1582, 0.2685,  
0.3386

 20.6682, 0.2196,  
0.3472

255.5101, 0.2712,  
0.3380

 12.8817, 0.2049,  
0.3493

306.9579, 0.2737,  
0.3375

 7.3471, 0.1849,  
0.3517

364.8860, 0.2758,

 3.6801, 0.1564,

0.3371

0.3542

429.6787, 0.2777,  
0.3367

■ 1.4963, 0.0986,  
0.3612

■ 0.2861, 0.0000,  
0.2913

■ 82.0218, 0.2527,  
0.3416

■ 82.0218, 0.2527,  
0.3416

■ 80.1415, 0.2449,  
0.3446

■ 84.4044, 0.2623,  
0.3387

■ 78.7168, 0.2390,  
0.3476

■ 87.3134, 0.2736,  
0.3360

■ 77.7080, 0.2350,  
0.3507

■ 90.7823, 0.2861,  
0.3334

■ 77.0648, 0.2330,  
0.3537

■ 94.8396, 0.2996,  
0.3310

■ 76.7108, 0.2325,  
0.3567

99.3110, 0.3132,  
0.3288

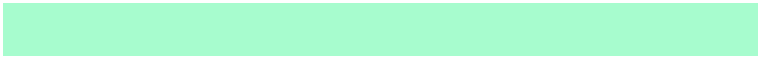
■ 76.6873, 0.2325,  
0.3569

99.3636, 0.3128,  
0.3281

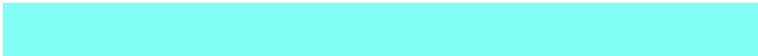
# Harmonies

## Analogous

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



82.0218, 0.2875, 0.3826



82.0218, 0.2527, 0.3416



82.0218, 0.2342, 0.3000

# Triad

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



82.0218, 0.2527, 0.3416



82.0218, 0.2901, 0.2635



82.0218, 0.3962, 0.3816

# Complementary

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



82.0218, 0.2527, 0.3416



38.6811, 0.4396, 0.3180

# 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.



82.0218, 0.3982, 0.3483



82.0218, 0.2527, 0.3416



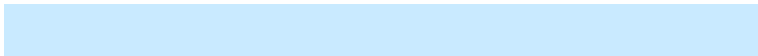
82.0218, 0.3344, 0.2830

# Square

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



82.0218, 0.2527, 0.3416



82.0218, 0.2545, 0.2586



82.0218, 0.3751, 0.3131



82.0218, 0.3708, 0.4042



# Rectangle

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



82.0218, 0.2527, 0.3416



82.0218, 0.2325, 0.2786



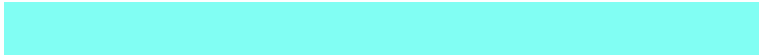
82.0218, 0.3751, 0.3131



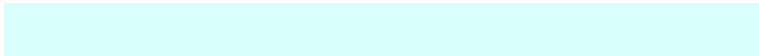
82.0218, 0.3997, 0.3712

# Sweetspot

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



82.0250, 0.2527, 0.3416



93.2381, 0.2916, 0.3324



78.1810, 0.3119, 0.4829



19.7772, 0.2888, 0.3329



0.0000, 0.0000, 0.0000

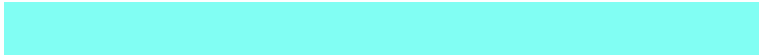


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.0250, 0.2527, 0.3416



80.8909, 0.2450, 0.3445



55.0231, 0.2364, 0.2679



20.4522, 0.2992, 0.3311



40.4418, 0.2323, 0.3564



3.9455, 0.2314, 0.3530



# Inverse Universe

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



38.6811, 0.4396, 0.3180



32.5754, 0.4814, 0.3168



54.9104, 0.4232, 0.3812



18.0131, 0.3281, 0.3269



11.1489, 0.6305, 0.3247

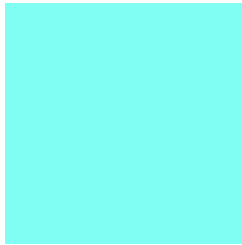


1.0939, 0.6112, 0.3141



# Previews

## White Background



This preview shows how the Yxy color 82.0218, 0.2527, 0.3416 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

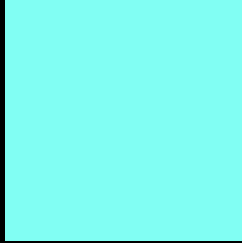
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0218, 0.2527, 0.3416 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

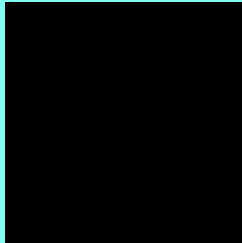
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

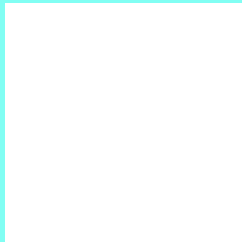
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0218, 0.2527, 0.3416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0218, 0.2527, 0.3416.

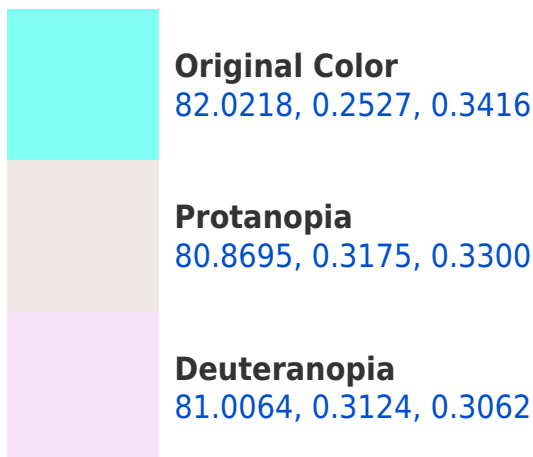


This preview shows how white text looks on a background with the Yxy color 82.0218, 0.2527, 0.3416.

# 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

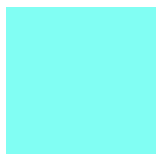




## Tritanopia

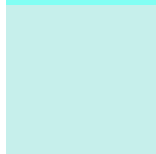
81.6355, 0.2713, 0.3159

# Trichromacy



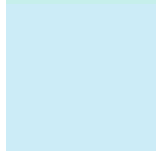
## Original Color

82.0218, 0.2527, 0.3416



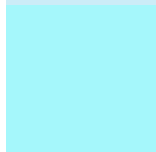
## Protanomaly

79.7369, 0.2891, 0.3333



## Deuteranomaly

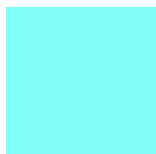
79.5437, 0.2858, 0.3172



## Tritanomaly

81.4859, 0.2635, 0.3244

# Monochromacy



## Original Color

82.0218, 0.2527, 0.3416



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

71.6652, 0.2856, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0218, 0.2527, 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(129, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(129, 254, 243)  
}
```

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(129, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 254, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0218, 0.2527, 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(129, 254, 243) }
```

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

```
.border{ border-color:rgb(129, 254, 243) }
```

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

Here you see how a box with a 4 pixel rgb(129, 254, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(129, 254,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0218, 0.2527, 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(129, 254, 243) }
```

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

```
.background{ background-color: rgb(129,  
254, 243) }
```

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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