

# Converting Colors

$Yxy(82.7101, 0.2626, 0.3360)$

Have a look what the booklet for  
Yxy(82.7101, 0.2626, 0.3360)  
contains.

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# Color

**Yxy(82.6549, 0.2627, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFBF5
RGB	156, 251, 245
RGB Percent	61%, 98%, 96%
CMY	0.3879, 0.0157, 0.0392
CMYK	0.38, 0.00, 0.02, 0.02
HSL	176°, 92%, 80%
HSV	176°, 38%, 98%
XYZ	64.7004, 82.6549, 98.9347
YIQ	221.9110, -54.6940, -22.0060

# Conversions

## Conversions Part 2

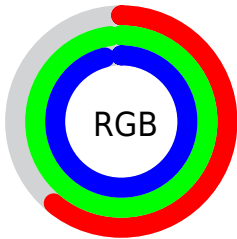
Format	Color
R <sub>Y</sub> B	156, 205, 251
Decimal	10288117
CIE Lab	92.86, -29.40, -6.02
CIE LCh	93, 30.009, 191.569
Yxy	82.6549, 0.2627, 0.3356
Android (android.graphics.Color)	4288478197 (0xFF9CFBF5)
YUV	221.9110, 11.3829, -57.8039
Hunter-Lab	90.9147, -32.0695, -0.8799

# Details

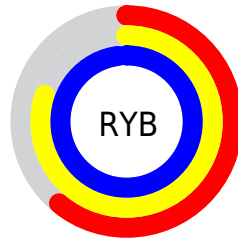
The Yxy color **82.6549, 0.2627, 0.3356** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.9220, 0.4005, 0.3229**, and the grayscale version is **72.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **44.9103, 0.2517, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **80.3098, 0.2526, 0.3376**, and if you desaturate by 10%, it is **85.5248, 0.2743, 0.3337**.

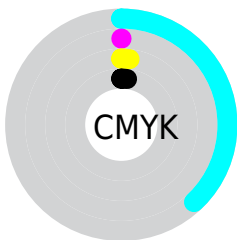
# Distribution



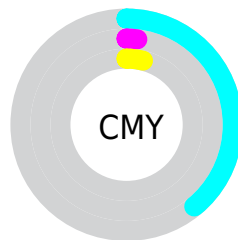
- Red (61%)
- Green (98%)
- Blue (96%)



- Red (61%)
- Yellow (80%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)




- Cyan (39%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6549, 0.2627, 0.3356 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 82.6549, 0.2627, 0.3356 by changing the saturation by 10% instead.





 82.6549, 0.2627,  
0.3356

 82.6549, 0.2627,  
0.3356


503.8357, 0.2850,  
0.3330

 61.9055, 0.2578,  
0.3361


 137.0920, 0.2703,  
0.3348

 44.9563, 0.2518,  
0.3367

 171.5485, 0.2733,  
0.3344

 31.4230, 0.2444,  
0.3373


211.3429, 0.2759,  
0.3341

 20.9212, 0.2350,  
0.3381

256.8594, 0.2782,  
0.3338

 13.0664, 0.2226,  
0.3389

308.4826, 0.2802,  
0.3336

 7.4743, 0.2056,  
0.3396


366.5967, 0.2820,


 3.7604, 0.1811,


0.3334


0.3399


431.5863, 0.2836,  
0.3332

 1.5405, 0.1401,  
0.3394


 0.3170, 0.0000,  
0.2927


 82.6549, 0.2627,  
0.3356


 82.6549, 0.2627,  
0.3356


 80.3098, 0.2526,  
0.3376


 85.5248, 0.2743,  
0.3337


 78.4476, 0.2444,  
0.3397


 88.9389, 0.2873,  
0.3319

 77.0358, 0.2380,  
0.3418


 92.9278, 0.3013,  
0.3302

 76.0339, 0.2336,  
0.3440


 97.2357, 0.3150,  
0.3287

 75.3942, 0.2311,  
0.3461

 97.3362, 0.3141,  
0.3272

 75.0526, 0.2303,  
0.3482

 97.4374, 0.3132,  
0.3257

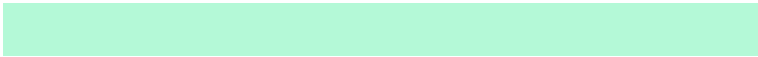
 74.9972, 0.2302,  
0.3487

 97.4694, 0.3129,  
0.3252

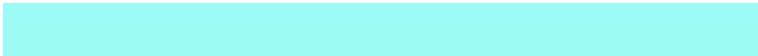
# Harmonies

## Analogous

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



82.6549, 0.2896, 0.3677



82.6549, 0.2627, 0.3356



82.6549, 0.2491, 0.3036

# Triad

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



82.6549, 0.2627, 0.3356



82.6549, 0.2987, 0.2774



82.6549, 0.3774, 0.3740

# Complementary

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



82.6549, 0.2627, 0.3356



46.9220, 0.4005, 0.3229

# 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.



82.6549, 0.3809, 0.3483



82.6549, 0.2627, 0.3356



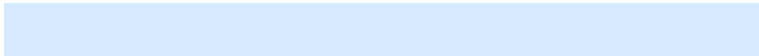
82.6549, 0.3339, 0.2944

# Square

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



82.6549, 0.2627, 0.3356



82.6549, 0.2689, 0.2723



82.6549, 0.3646, 0.3197

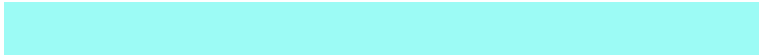


82.6549, 0.3561, 0.3895



# Rectangle

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



82.6549, 0.2627, 0.3356



82.6549, 0.2488, 0.2872



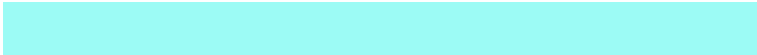
82.6549, 0.3646, 0.3197



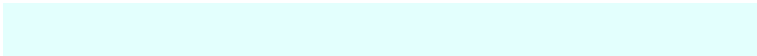
82.6549, 0.3808, 0.3662

# Sweetspot

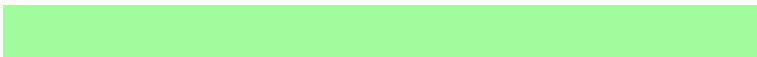
The Sweet Spot groups the original color and five complimentary colors.



82.6582, 0.2627, 0.3356



94.9494, 0.2967, 0.3307



79.1163, 0.3110, 0.4434



20.2010, 0.2948, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

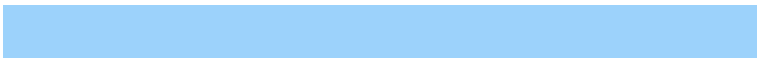
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6582, 0.2627, 0.3356



83.8799, 0.2553, 0.3371



60.0658, 0.2528, 0.2804



19.5886, 0.2989, 0.3305



39.4327, 0.2301, 0.3483



3.6577, 0.2294, 0.3458



# Inverse Universe

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



46.9220, 0.4005, 0.3229



42.2112, 0.4266, 0.3218



62.9376, 0.3896, 0.3726



17.2430, 0.3284, 0.3275



10.8068, 0.6336, 0.3264

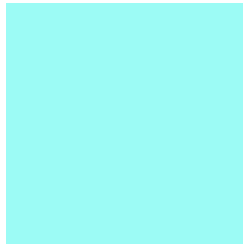


1.0069, 0.6183, 0.3180



# Previews

## White Background



This preview shows how the Yxy color 82.6549, 0.2627, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

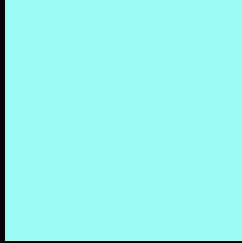
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.6549, 0.2627, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

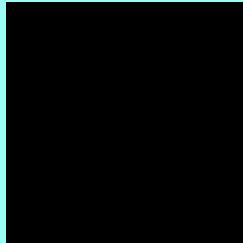
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.6549, 0.2627, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6549, 0.2627, 0.3356.

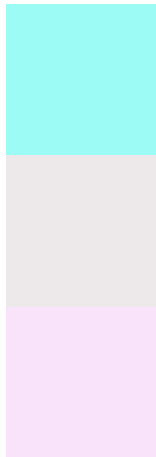


This preview shows how white text looks on a background with the Yxy color 82.6549, 0.2627, 0.3356.

# 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

82.6549, 0.2627, 0.3356

### Protanopia

81.6583, 0.3148, 0.3270

### Deuteranopia

81.7968, 0.3124, 0.3063



## Tritanopia

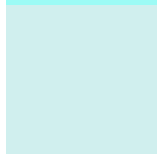
82.0617, 0.2756, 0.3150

# Trichromacy



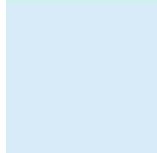
## Original Color

82.6549, 0.2627, 0.3356



## Protanomaly

81.3159, 0.2935, 0.3300



## Deuteranomaly

81.2153, 0.2920, 0.3164



## Tritanomaly

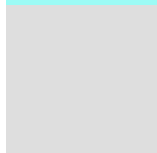
81.9731, 0.2709, 0.3223

# Monochromacy



## Original Color

82.6549, 0.2627, 0.3356



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.9968, 0.2917, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6549, 0.2627, 0.3356 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(156, 251, 245)` looks like.

```
.text, #text, p{  
    color:rgb(156, 251, 245)  
}
```

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(156, 251, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 251, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6549, 0.2627, 0.3356 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(156, 251, 245) }
```

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

```
.border{ border-color:rgb(156, 251, 245) }
```

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

Here you see how a box with a 4 pixel rgb(156, 251, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(156, 251,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6549, 0.2627, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 251, 245) }
```

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

```
.background{ background-color: rgb(156,  
251, 245) }
```

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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