

# Converting Colors

$Yxy(82.0306, 0.2751, 0.3529)$

Have a look what the booklet for  
Yxy(82.0306, 0.2751, 0.3529)  
contains.

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# Color

**Yxy(82.1353, 0.2752, 0.3528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6FAE5
RGB	166, 250, 229
RGB Percent	65%, 98%, 90%
CMY	0.3486, 0.0197, 0.1020
CMYK	0.34, 0.00, 0.08, 0.02
HSL	165°, 89%, 82%
HSV	165°, 34%, 98%
XYZ	64.0693, 82.1353, 86.6052
YIQ	222.4900, -43.3230, -24.3390

# Conversions

## Conversions Part 2

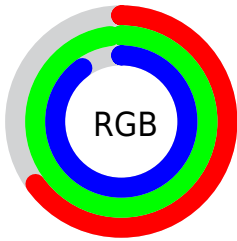
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 214, 250
Decimal	10943205
CIELab	92.63, -29.85, 1.99
CIELCh	93, 29.916, 176.178
Yxy	82.1353, 0.2752, 0.3528
Android (android.graphics.Color)	4289133285 (0xFFA6FAE5)
YUV	222.4900, 3.2094, -49.5417
Hunter-Lab	90.6285, -32.4105, 6.7820

# Details

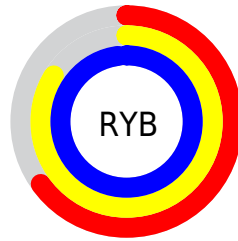
The Yxy color **82.1353, 0.2752, 0.3528** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2218, 0.3717, 0.3068**, and the grayscale version is **73.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.5754, 0.2667, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **79.3493, 0.2661, 0.3612**, and if you desaturate by 10%, it is **85.4657, 0.2855, 0.3450**.

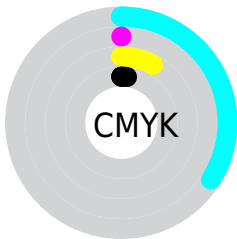
# Distribution



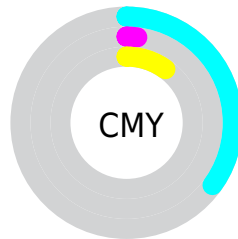
- Red (65%)
- Green (98%)
- Blue (90%)



- Red (65%)
- Yellow (84%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (35%)
- Magenta (2%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1353, 0.2752, 0.3528 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 82.1353, 0.2752, 0.3528 by changing the saturation by 10% instead.




 82.1353, 0.2752,  
0.3528


 82.1353, 0.2752,  
0.3528


502.1002, 0.2922,  
0.3419

 61.4771, 0.2714,  
0.3552


 136.3637, 0.2810,  
0.3491

 44.6103, 0.2668,  
0.3582


 170.7027, 0.2833,  
0.3476

 31.1506, 0.2609,  
0.3620


210.3707, 0.2853,  
0.3463

 20.7135, 0.2535,  
0.3669

255.7522, 0.2870,  
0.3452

 12.9148, 0.2435,  
0.3735

307.2314, 0.2885,  
0.3443

 7.3699, 0.2295,  
0.3828

365.1929, 0.2899,

 3.6945, 0.2086,

0.3434

430.0210, 0.2911,  
0.3426

0.3969

1.5042, 0.1691,  
0.4234

0.2917, 0.0000,  
0.6208

82.1353, 0.2752,  
0.3528

82.1353, 0.2752,  
0.3528

79.3493, 0.2661,  
0.3612

85.4657, 0.2855,  
0.3450

77.0671, 0.2586,  
0.3701

89.3587, 0.2966,  
0.3377

75.2581, 0.2528,  
0.3793

93.8439, 0.3084,  
0.3312

73.8845, 0.2490,  
0.3887

96.7806, 0.3135,  
0.3252

■ 72.9021, 0.2472,  
0.3981

■ 96.8437, 0.3129,  
0.3242

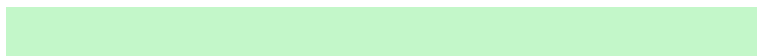
■ 72.2574, 0.2473,  
0.4075

■ 71.9708, 0.2482,  
0.4135

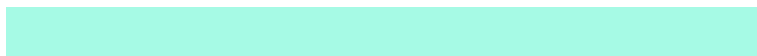
# Harmonies

## Analogous

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



82.1353, 0.3068, 0.3802



82.1353, 0.2752, 0.3528



82.1353, 0.2542, 0.3193

# Triad

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



82.1353, 0.2752, 0.3528



82.1353, 0.2822, 0.2732



82.1353, 0.3816, 0.3615

# Complementary

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



82.1353, 0.2752, 0.3528



51.2218, 0.3717, 0.3068

# 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.



82.1353, 0.3748, 0.3336



82.1353, 0.2752, 0.3528



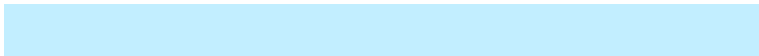
82.1353, 0.3157, 0.2844

# Square

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



82.1353, 0.2752, 0.3528



82.1353, 0.2581, 0.2751



82.1353, 0.3501, 0.3060



82.1353, 0.3689, 0.3832



# Rectangle

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



82.1353, 0.2752, 0.3528



82.1353, 0.2484, 0.2994



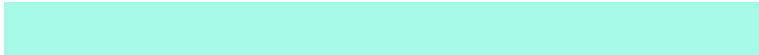
82.1353, 0.3501, 0.3060



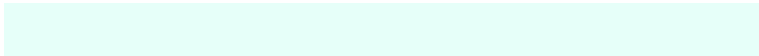
82.1353, 0.3816, 0.3526

# Sweetspot

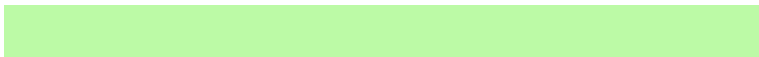
The Sweet Spot groups the original color and five complimentary colors.



82.1386, 0.2752, 0.3528



95.0763, 0.3008, 0.3353



81.8716, 0.3218, 0.4254



20.2131, 0.2991, 0.3363



0.0000, 0.0000, 0.0000

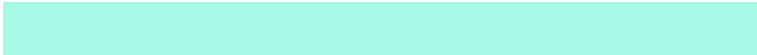


21.4041, 0.3127, 0.3290

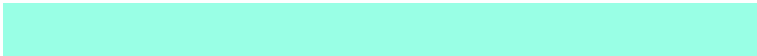


# Same Dimension

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



82.1386, 0.2752, 0.3528



83.9764, 0.2692, 0.3582



71.8434, 0.2621, 0.3066



19.5300, 0.3014, 0.3350



38.2040, 0.2478, 0.4120



3.5553, 0.2447, 0.4008



# Inverse Universe

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



51.2218, 0.3717, 0.3068



47.2776, 0.3884, 0.3025



58.0589, 0.3847, 0.3501



17.2964, 0.3254, 0.3231



10.9874, 0.5933, 0.3042

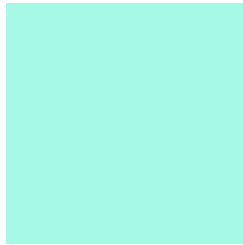


1.0338, 0.5602, 0.2859



# Previews

## White Background



This preview shows how the Yxy color 82.1353, 0.2752, 0.3528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

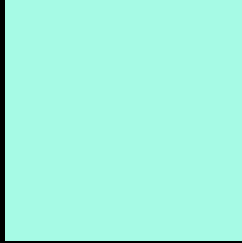
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1353, 0.2752, 0.3528 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 82.1353, 0.2752, 0.3528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1353, 0.2752, 0.3528.

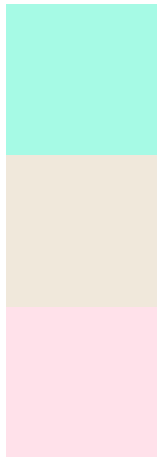


This preview shows how white text looks on a background with the Yxy color 82.1353, 0.2752, 0.3528.

# 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

82.1353, 0.2752, 0.3528

### Protanopia

81.3530, 0.3266, 0.3424

### Deuteranopia

81.0509, 0.3279, 0.3201



## Tritanopia

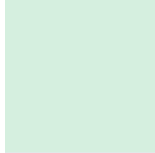
81.7327, 0.2766, 0.3140

# Trichromacy



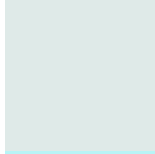
## Original Color

82.1353, 0.2752, 0.3528



## Protanomaly

81.2069, 0.3054, 0.3462



## Deuteranomaly

80.3598, 0.3066, 0.3311



## Tritanomaly

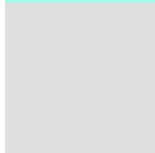
81.5455, 0.2754, 0.3267

# Monochromacy



## Original Color

82.1353, 0.2752, 0.3528



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.2706, 0.2971, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1353, 0.2752, 0.3528 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(166, 250, 229)` looks like.

```
.text, #text, p{  
    color:rgb(166, 250, 229)  
}
```

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(166, 250, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 250, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1353, 0.2752, 0.3528 is called "border". The border property can be set on classes, ids or directly on the HTML element.

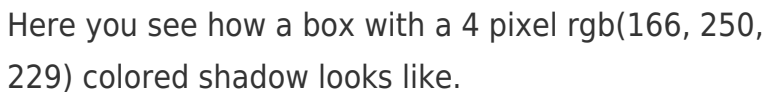
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 250, 229) }
```

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

```
.border{ border-color:rgb(166, 250, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 250, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 250, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 250, 229); box-shadow:4px 4px 4px 4px rgb(166, 250, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1353, 0.2752, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 250, 229) }
```

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

```
.background{ background-color: rgb(166,  
250, 229) }
```

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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