

# Converting Colors

$Yxy(81.2810, 0.2701, 0.3515)$

Have a look what the booklet for  
Yxy(81.2810, 0.2701, 0.3515)  
contains.

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# Color

**Yxy(81.2525, 0.2701, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFAE6
RGB	157, 250, 230
RGB Percent	62%, 98%, 90%
CMY	0.3846, 0.0196, 0.0979
CMYK	0.37, 0.00, 0.08, 0.02
HSL	167°, 90%, 80%
HSV	167°, 37%, 98%
XYZ	62.3652, 81.2525, 87.2789
YIQ	219.9130, -49.0080, -25.9360

# Conversions

## Conversions Part 2

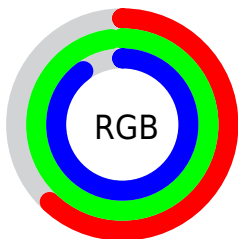
Format	Color
R <sub>Y</sub> B	157, 209, 250
Decimal	10353382
CIE Lab	92.24, -32.09, 0.84
CIE LCh	92, 32.098, 178.498
Yxy	81.2525, 0.2701, 0.3519
Android (android.graphics.Color)	4288543462 (0xFF9DFAE6)
YUV	219.9130, 4.9729, -55.1747
Hunter-Lab	90.1402, -34.2467, 5.6901

# Details

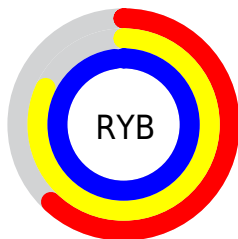
The Yxy color **81.2525, 0.2701, 0.3519** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.5869, 0.3842, 0.3078**, and the grayscale version is **71.4885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **44.0018, 0.2605, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **78.6975, 0.2612, 0.3592**, and if you desaturate by 10%, it is **84.3377, 0.2803, 0.3451**.

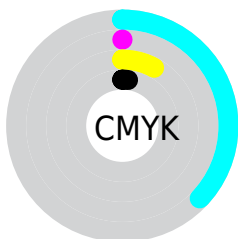
# Distribution



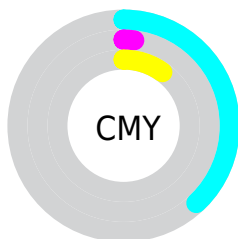
- Red (62%)
- Green (98%)
- Blue (90%)



- Red (62%)
- Yellow (82%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2525, 0.2701, 0.3519 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 81.2525, 0.2701, 0.3519 by changing the saturation by 10% instead.





 81.2525, 0.2701,  
0.3519


 81.2525, 0.2701,  
0.3519

499.1439, 0.2894,  
0.3415

 60.7496, 0.2658,  
0.3542


 135.1253, 0.2767,  
0.3483

 44.0231, 0.2605,  
0.3571


 169.2639, 0.2793,  
0.3469

 30.6887, 0.2540,  
0.3607


208.7165, 0.2815,  
0.3457

 20.3619, 0.2455,  
0.3653

253.8676, 0.2835,  
0.3447

 12.6584, 0.2342,  
0.3714

305.1015, 0.2852,  
0.3437

 7.1937, 0.2185,  
0.3801

362.8025, 0.2868,

 3.5836, 0.1951,

0.3429

0.3931

427.3552, 0.2881,  
0.3422

1.4434, 0.1468,  
0.4196

0.2484, 0.0000,  
0.5400

81.2525, 0.2701,  
0.3519

81.2525, 0.2701,  
0.3519

78.6975, 0.2612,  
0.3592

84.3377, 0.2803,  
0.3451

76.6312, 0.2540,  
0.3668

87.9723, 0.2916,  
0.3387

75.0218, 0.2487,  
0.3747

92.1865, 0.3037,  
0.3329

73.8293, 0.2453,  
0.3826

96.6368, 0.3150,  
0.3276

■ 73.0068, 0.2439,  
0.3906

■ 96.8602, 0.3129,  
0.3243

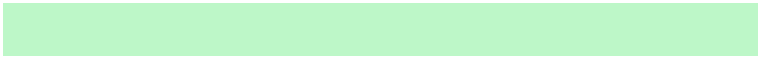
■ 72.4938, 0.2443,  
0.3985

■ 72.3811, 0.2446,  
0.4007

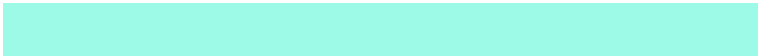
# Harmonies

## Analogous

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



81.2525, 0.3033, 0.3826



81.2525, 0.2701, 0.3519



81.2525, 0.2488, 0.3157

# Triad

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



81.2525, 0.2701, 0.3519



81.2525, 0.2824, 0.2697



81.2525, 0.3866, 0.3659

# Complementary

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



81.2525, 0.2701, 0.3519



47.5869, 0.3842, 0.3078

# 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.



81.2525, 0.3809, 0.3361



81.2525, 0.2701, 0.3519



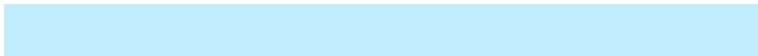
81.2525, 0.3188, 0.2827

# Square

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



81.2525, 0.2701, 0.3519



81.2525, 0.2556, 0.2704



81.2525, 0.3555, 0.3064

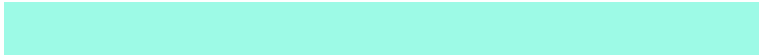


81.2525, 0.3713, 0.3885



# Rectangle

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



81.2525, 0.2701, 0.3519



81.2525, 0.2436, 0.2948



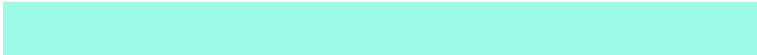
81.2525, 0.3555, 0.3064



81.2525, 0.3871, 0.3563

# Sweetspot

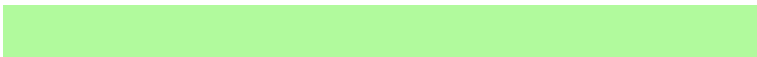
The Sweet Spot groups the original color and five complimentary colors.



81.2558, 0.2701, 0.3519



94.6809, 0.2990, 0.3350



80.1704, 0.3195, 0.4384



20.1366, 0.2974, 0.3358



0.0000, 0.0000, 0.0000

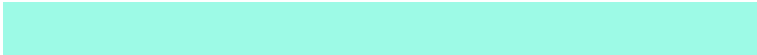


21.4041, 0.3127, 0.3290

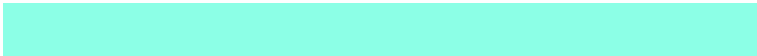


# Same Dimension

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



81.2558, 0.2701, 0.3519



82.8508, 0.2630, 0.3576



67.1817, 0.2562, 0.2982



19.5410, 0.3009, 0.3341



38.4103, 0.2443, 0.3994



3.5728, 0.2417, 0.3899



# Inverse Universe

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



47.5869, 0.3842, 0.3078



42.8018, 0.4073, 0.3035



56.7502, 0.3937, 0.3574



17.2862, 0.3260, 0.3239



10.9372, 0.6038, 0.3100

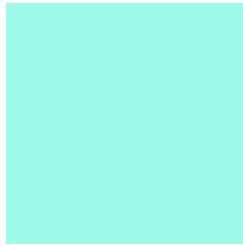


1.0279, 0.5717, 0.2923



# Previews

## White Background



This preview shows how the Yxy color 81.2525, 0.2701, 0.3519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

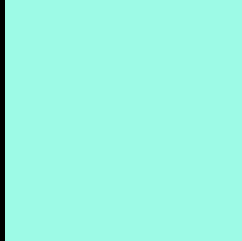
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2525, 0.2701, 0.3519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

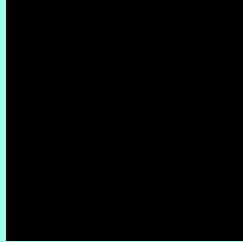
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

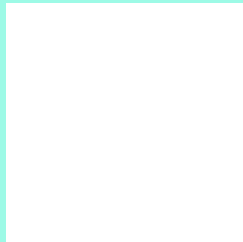
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.2525, 0.2701, 0.3519**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2525, 0.2701, 0.3519.

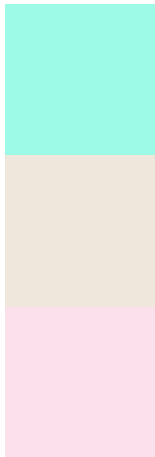


This preview shows how white text looks on a background with the Yxy color 81.2525, 0.2701, 0.3519.

# 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

81.2525, 0.2701, 0.3519

### Protanopia

80.6170, 0.3260, 0.3415

### Deuteranopia

80.0049, 0.3252, 0.3181



## Tritanopia

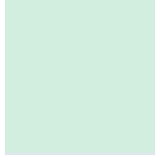
80.9494, 0.2733, 0.3138

# Trichromacy



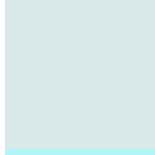
## Original Color

81.2525, 0.2701, 0.3519



## Protanomaly

80.0321, 0.3028, 0.3453



## Deuteranomaly

78.9127, 0.3021, 0.3290



## Tritanomaly

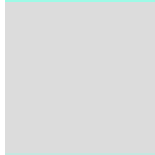
80.7023, 0.2717, 0.3267

# Monochromacy



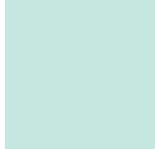
## Original Color

81.2525, 0.2701, 0.3519



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.4040, 0.2945, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2525, 0.2701, 0.3519 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(157, 250, 230)` looks like.

```
.text, #text, p{  
    color:rgb(157, 250, 230)  
}
```

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(157, 250, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 250, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2525, 0.2701, 0.3519 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(157, 250, 230) }
```

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

```
.border{ border-color:rgb(157, 250, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 250, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 250, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 250, 230);  
box-shadow:4px 4px 4px 4px rgb(157, 250,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2525, 0.2701, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 250, 230) }
```

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

```
.background{ background-color: rgb(157,  
250, 230) }
```

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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