

# Converting Colors

$Yxy(82.4496, 0.2773, 0.3477)$

Have a look what the booklet for  
Yxy(82.4496, 0.2773, 0.3477)  
contains.

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# Color

**Yxy(82.4618, 0.2772, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF9E8
RGB	173, 249, 232
RGB Percent	68%, 98%, 91%
CMY	0.3214, 0.0236, 0.0901
CMYK	0.30, 0.00, 0.07, 0.02
HSL	167°, 86%, 83%
HSV	167°, 30%, 98%
XYZ	65.6851, 82.4618, 88.8123
YIQ	224.3380, -39.8390, -21.3990

# Conversions

## Conversions Part 2

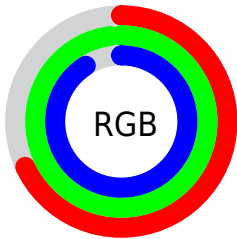
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 216, 249
Decimal	11401704
CIE <sub>Lab</sub>	92.78, -26.81, 0.68
CIE <sub>LCh</sub>	93, 26.822, 178.545
Yxy	82.4618, 0.2772, 0.3480
Android (android.graphics.Color)	4289591784 (0xFFADF9E8)
YUV	224.3380, 3.7774, -45.0234
Hunter-Lab	90.8085, -29.7993, 5.5793

# Details

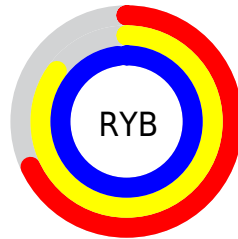
The Yxy color **82.4618, 0.2772, 0.3480** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.7650, 0.3663, 0.3110**, and the grayscale version is **74.7996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **44.6854, 0.2695, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **79.5738, 0.2675, 0.3553**, and if you desaturate by 10%, it is **85.8955, 0.2881, 0.3412**.

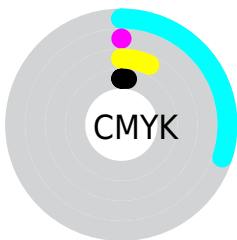
# Distribution



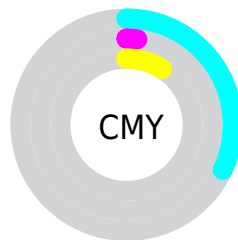
- Red (68%)
- Green (98%)
- Blue (91%)



- Red (68%)
- Yellow (85%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (32%)
- Magenta (2%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4618, 0.2772, 0.3480 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 82.4618, 0.2772, 0.3480 by changing the saturation by 10% instead.




 82.4618, 0.2772,  
0.3480

 82.4618, 0.2772,  
0.3480


503.1911, 0.2932,  
0.3394

 61.7463, 0.2736,  
0.3499


 136.8214, 0.2827,  
0.3451

 44.8277, 0.2693,  
0.3523


171.2343, 0.2848,  
0.3439

 31.3217, 0.2638,  
0.3552

210.9817, 0.2867,  
0.3429

 20.8440, 0.2568,  
0.3590

256.4481, 0.2883,  
0.3420

 13.0100, 0.2474,  
0.3641

308.0178, 0.2898,  
0.3413

 7.4354, 0.2343,  
0.3712

366.0753, 0.2911,

 3.7359, 0.2148,

0.3406

0.3819

431.0049, 0.2922,  
0.3400

1.5269, 0.1810,  
0.4006

0.3076, 0.0000,  
0.5171

82.4618, 0.2772,  
0.3480

82.4618, 0.2772,  
0.3480

79.5738, 0.2675,  
0.3553

85.8955, 0.2881,  
0.3412

77.1918, 0.2592,  
0.3630

89.8921, 0.2998,  
0.3349

75.2870, 0.2526,  
0.3711

94.4804, 0.3121,  
0.3293

73.8230, 0.2480,  
0.3794

96.1813, 0.3134,  
0.3240

■ 72.7584, 0.2453,  
0.3877

■ 96.2275, 0.3130,  
0.3233

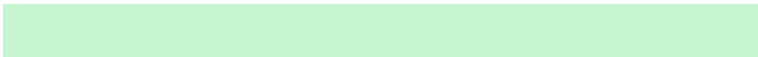
■ 72.0438, 0.2447,  
0.3960

■ 71.6130, 0.2455,  
0.4038

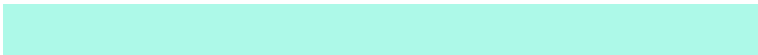
# Harmonies

## Analogous

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



82.4618, 0.3051, 0.3730



82.4618, 0.2772, 0.3480



82.4618, 0.2592, 0.3183

# Triad

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



82.4618, 0.2772, 0.3480



82.4618, 0.2876, 0.2791



82.4618, 0.3741, 0.3603

# Complementary

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



82.4618, 0.2772, 0.3480



53.7650, 0.3663, 0.3110

# 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.



82.4618, 0.3693, 0.3354



82.4618, 0.2772, 0.3480



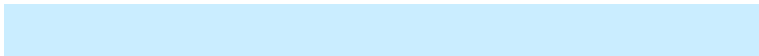
82.4618, 0.3180, 0.2900

# Square

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



82.4618, 0.2772, 0.3480



82.4618, 0.2649, 0.2799



82.4618, 0.3484, 0.3102



82.4618, 0.3616, 0.3788



# Rectangle

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



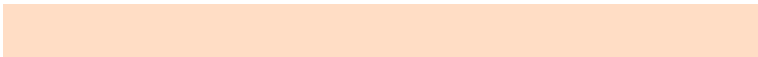
82.4618, 0.2772, 0.3480



82.4618, 0.2546, 0.3008



82.4618, 0.3484, 0.3102



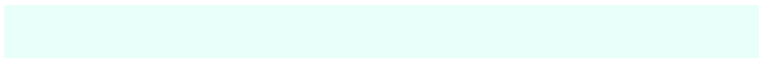
82.4618, 0.3745, 0.3524

# Sweetspot

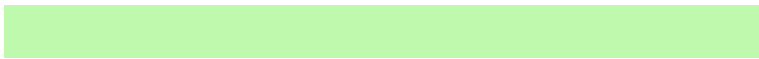
The Sweet Spot groups the original color and five complimentary colors.



82.4651, 0.2772, 0.3480



95.5782, 0.3016, 0.3341



81.8136, 0.3195, 0.4159



20.3150, 0.2998, 0.3349



0.0000, 0.0000, 0.0000

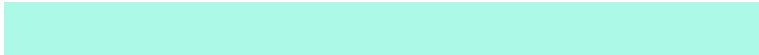


21.4041, 0.3127, 0.3290

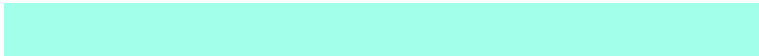


# Same Dimension

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



82.4651, 0.2772, 0.3480



84.9962, 0.2707, 0.3527



71.6259, 0.2661, 0.3060



19.5383, 0.3010, 0.3344



38.3579, 0.2451, 0.4025



3.5683, 0.2424, 0.3926



# Inverse Universe

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



53.7650, 0.3663, 0.3110



49.9942, 0.3829, 0.3071



61.4322, 0.3754, 0.3508



17.2887, 0.3259, 0.3237



10.9489, 0.6013, 0.3086

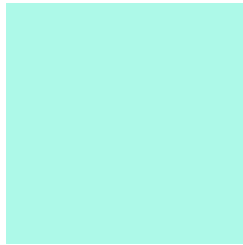


1.0293, 0.5689, 0.2908



# Previews

## White Background



This preview shows how the Yxy color 82.4618, 0.2772, 0.3480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

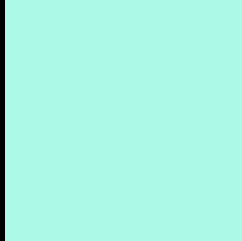
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4618, 0.2772, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

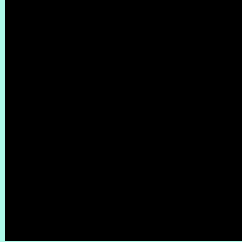
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

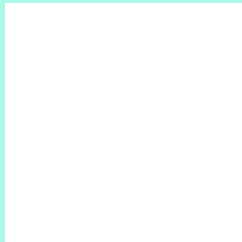
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4618, 0.2772, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4618, 0.2772, 0.3480.

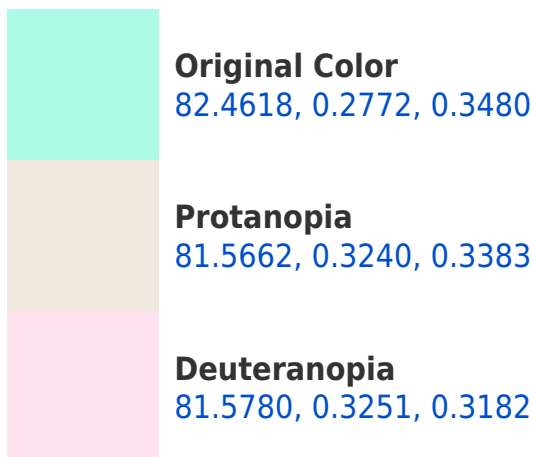


This preview shows how white text looks on a background with the Yxy color 82.4618, 0.2772, 0.3480.

# 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

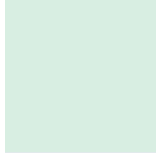
82.1364, 0.2783, 0.3140

# Trichromacy



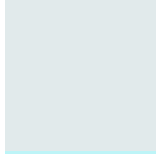
## Original Color

82.4618, 0.2772, 0.3480



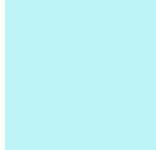
## Protanomaly

81.2390, 0.3056, 0.3418



## Deuteranomaly

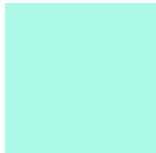
80.8513, 0.3061, 0.3279



## Tritanomaly

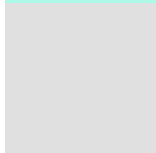
82.2356, 0.2777, 0.3256

# Monochromacy



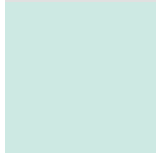
## Original Color

82.4618, 0.2772, 0.3480



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

76.8030, 0.2979, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4618, 0.2772, 0.3480 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(173, 249, 232)` looks like.

```
.text, #text, p{  
    color:rgb(173, 249, 232)  
}
```

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(173, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 249, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4618, 0.2772, 0.3480 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(173, 249, 232) }
```

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

```
.border{ border-color:rgb(173, 249, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 249, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(173, 249,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4618, 0.2772, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 249, 232) }
```

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

```
.background{ background-color: rgb(173,  
249, 232) }
```

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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