

# Converting Colors

$Yxy(81.9800, 0.2790, 0.3462)$

Have a look what the booklet for  
Yxy(81.9800, 0.2790, 0.3462)  
contains.

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# Color

**Yxy(82.3081, 0.2792, 0.3468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1F8E8
RGB	177, 248, 232
RGB Percent	69%, 97%, 91%
CMY	0.3060, 0.0274, 0.0901
CMYK	0.29, 0.00, 0.06, 0.03
HSL	167°, 84%, 83%
HSV	167°, 29%, 97%
XYZ	66.2642, 82.3081, 88.7636
YIQ	224.9470, -37.1800, -20.0280

# Conversions

## Conversions Part 2

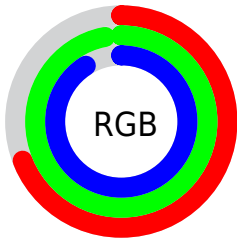
Format	Color
R <sub>Y</sub> B	177, 217, 248
Decimal	11663592
CIE Lab	92.71, -25.23, 0.60
CIE LCh	93, 25.234, 178.641
Yxy	82.3081, 0.2792, 0.3468
Android (android.graphics.Color)	4289853672 (0xFFB1F8E8)
YUV	224.9470, 3.4771, -42.0495
Hunter-Lab	90.7238, -28.3912, 5.4977

# Details

The Yxy color **82.3081, 0.2792, 0.3468** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2416, 0.3619, 0.3121**, and the grayscale version is **75.2498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **44.5338, 0.2719, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **79.3474, 0.2693, 0.3541**, and if you desaturate by 10%, it is **85.8147, 0.2902, 0.3401**.

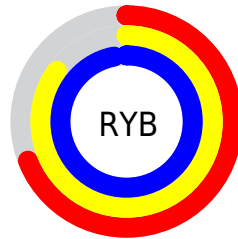
# Distribution



Red (69%)

Green (97%)

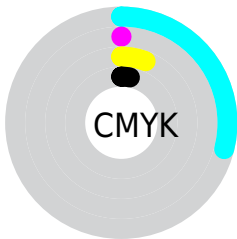
Blue (91%)



Red (69%)

Yellow (85%)

Blue (97%)

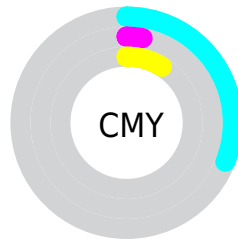


Cyan (29%)

Magenta (0%)

Yellow (6%)

Black (3%)



Cyan (31%)

Magenta (3%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3081, 0.2792, 0.3468 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 82.3081, 0.2792, 0.3468 by changing the saturation by 10% instead.




 82.3081, 0.2792,  
0.3468

 82.3081, 0.2792,  
0.3468


502.6777, 0.2943,  
0.3387

 61.6195, 0.2758,  
0.3486

 136.6060, 0.2844,  
0.3440

 44.7253, 0.2717,  
0.3508


170.9841, 0.2864,  
0.3430

 31.2411, 0.2665,  
0.3536


210.6941, 0.2882,  
0.3420

 20.7825, 0.2599,  
0.3571

256.1206, 0.2897,  
0.3412

 12.9651, 0.2510,  
0.3619

307.6477, 0.2911,  
0.3405

 7.4045, 0.2386,  
0.3686

365.6600, 0.2923,

 3.7164, 0.2201,

0.3398

0.3786

430.5419, 0.2934,  
0.3393

1.5162, 0.1884,  
0.3959

0.3001, 0.0000,  
0.5130

82.3081, 0.2792,  
0.3468

82.3081, 0.2792,  
0.3468

79.3474, 0.2693,  
0.3541

85.8147, 0.2902,  
0.3401

76.8939, 0.2607,  
0.3618

89.8838, 0.3021,  
0.3339

74.9193, 0.2538,  
0.3698

94.5435, 0.3144,  
0.3283

73.3885, 0.2488,  
0.3781

95.5762, 0.3134,  
0.3230

72.2618, 0.2458,  
0.3865

95.6186, 0.3130,  
0.3223

71.4918, 0.2448,  
0.3949

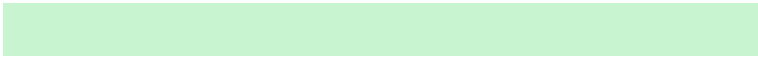
71.0106, 0.2455,  
0.4032

70.9551, 0.2456,  
0.4043

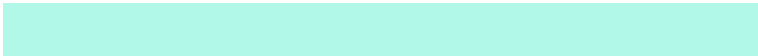
# Harmonies

## Analogous

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



82.3081, 0.3056, 0.3702



82.3081, 0.2792, 0.3468



82.3081, 0.2622, 0.3189

# Triad

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



82.3081, 0.2792, 0.3468



82.3081, 0.2892, 0.2818



82.3081, 0.3705, 0.3587

# Complementary

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



82.3081, 0.2792, 0.3468



55.2416, 0.3619, 0.3121

# 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.



82.3081, 0.3660, 0.3352



82.3081, 0.2792, 0.3468



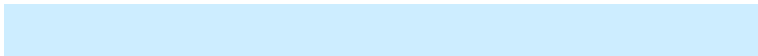
82.3081, 0.3179, 0.2922

# Square

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



82.3081, 0.2792, 0.3468



82.3081, 0.2677, 0.2827



82.3081, 0.3464, 0.3114

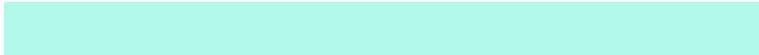


82.3081, 0.3587, 0.3760



# Rectangle

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



82.3081, 0.2792, 0.3468



82.3081, 0.2579, 0.3025



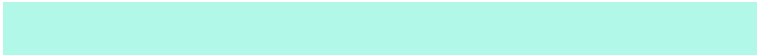
82.3081, 0.3464, 0.3114



82.3081, 0.3708, 0.3513

# Sweetspot

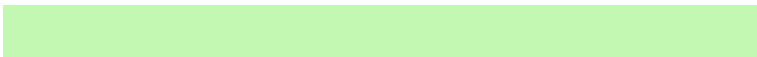
The Sweet Spot groups the original color and five complimentary colors.



82.3115, 0.2792, 0.3468



95.5762, 0.3016, 0.3341



81.7222, 0.3192, 0.4099



20.3145, 0.2999, 0.3350



0.0000, 0.0000, 0.0000

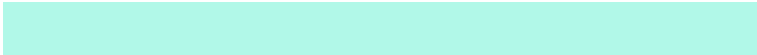


21.4041, 0.3127, 0.3290

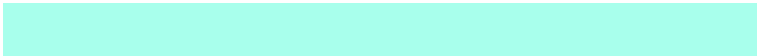


# Same Dimension

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



82.3115, 0.2792, 0.3468



85.9052, 0.2737, 0.3507



72.1973, 0.2689, 0.3076



19.5379, 0.3010, 0.3344



38.3500, 0.2453, 0.4030



3.5677, 0.2425, 0.3930



# Inverse Universe

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



55.2416, 0.3619, 0.3121



52.9982, 0.3749, 0.3088



62.5747, 0.3706, 0.3494



17.2891, 0.3258, 0.3237



10.9507, 0.6009, 0.3084

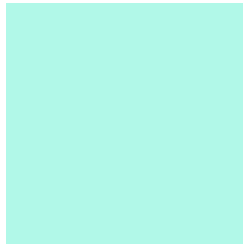


1.0295, 0.5685, 0.2905



# Previews

## White Background



This preview shows how the Yxy color 82.3081, 0.2792, 0.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

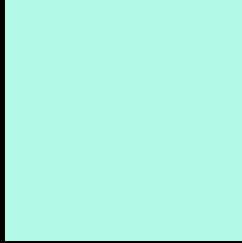
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3081, 0.2792, 0.3468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

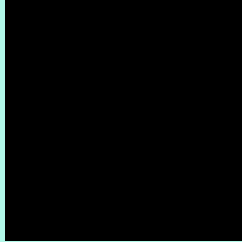
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

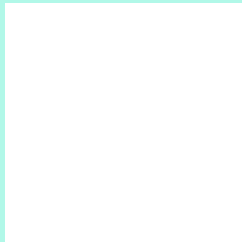
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3081, 0.2792, 0.3468**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3081, 0.2792, 0.3468.

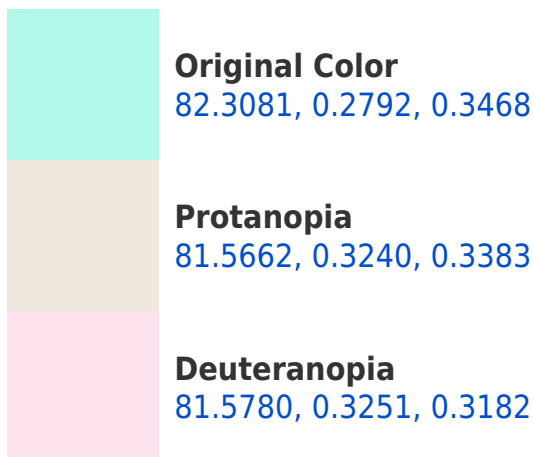


This preview shows how white text looks on a background with the Yxy color 82.3081, 0.2792, 0.3468.

# 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

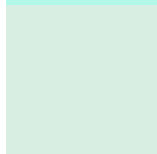
82.2727, 0.2789, 0.3141

# Trichromacy



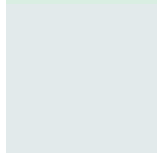
## Original Color

82.3081, 0.2792, 0.3468



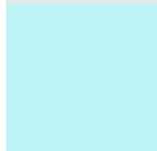
## Protanomaly

81.3918, 0.3062, 0.3418



## Deuteranomaly

81.0125, 0.3068, 0.3279



## Tritanomaly

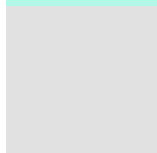
82.4931, 0.2788, 0.3257

# Monochromacy



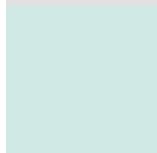
## Original Color

82.3081, 0.2792, 0.3468



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.2892, 0.2992, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3081, 0.2792, 0.3468 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(177, 248, 232)` looks like.

```
.text, #text, p{  
    color:rgb(177, 248, 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(177, 248, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 248, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3081, 0.2792, 0.3468 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(177, 248, 232) }
```

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

```
.border{ border-color:rgb(177, 248, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 248, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 248, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 248, 232);  
box-shadow:4px 4px 4px 4px rgb(177, 248,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3081, 0.2792, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 248, 232) }
```

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

```
.background{ background-color: rgb(177,  
248, 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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