

# Converting Colors

$Yxy(82.2193, 0.2931, 0.3331)$

Have a look what the booklet for  
Yxy(82.2193, 0.2931, 0.3331)  
contains.

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# Color

**Yxy(82.1468, 0.2929, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEF1ED
RGB	206, 241, 237
RGB Percent	81%, 95%, 93%
CMY	0.1919, 0.0550, 0.0705
CMYK	0.14, 0.00, 0.02, 0.05
HSL	173°, 55%, 88%
HSV	173°, 14%, 95%
XYZ	72.2113, 82.1468, 92.1809
YIQ	230.0790, -19.5760, -8.6640

# Conversions

## Conversions Part 2

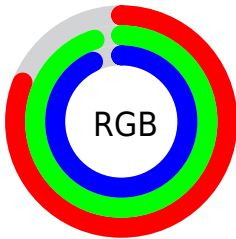
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 225, 241
Decimal	13562349
CIE Lab	92.64, -12.04, -1.89
CIE LCh	93, 12.183, 188.931
Yxy	82.1468, 0.2929, 0.3332
Android (android.graphics.Color)	4291752429 (0xFFCE F1ED)
YUV	230.0790, 3.4121, -21.1173
Hunter-Lab	90.6349, -16.3952, 3.1430

# Details

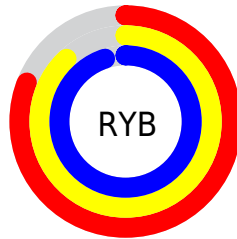
The Yxy color **82.1468, 0.2929, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5320, 0.3367, 0.3249**, and the grayscale version is **79.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6134, 0.2883, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **78.8009, 0.2802, 0.3364**, and if you desaturate by 10%, it is **86.0309, 0.3064, 0.3302**.

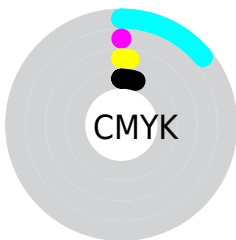
# Distribution



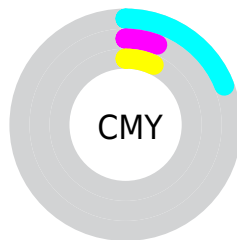
- Red (81%)
- Green (95%)
- Blue (93%)



- Red (81%)
- Yellow (88%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (19%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1468, 0.2929, 0.3332 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 82.1468, 0.2929, 0.3332 by changing the saturation by 10% instead.



82.1468, 0.2929,  
0.3332

82.1468, 0.2929,  
0.3332

502.1386, 0.3018,  
0.3314

61.4865, 0.2909,  
0.3336

136.3798, 0.2960,  
0.3326

44.6179, 0.2885,  
0.3341

170.7214, 0.2972,  
0.3323

31.1566, 0.2854,  
0.3347

210.3922, 0.2982,  
0.3321

20.7181, 0.2815,  
0.3355

255.7767, 0.2991,  
0.3319

12.9181, 0.2763,  
0.3365

307.2591, 0.2999,  
0.3318

7.3722, 0.2689,  
0.3378

365.2240, 0.3006,

3.6959, 0.2579,

0.3316

430.0557, 0.3013,  
0.3315

0.3398

1.5050, 0.2395,  
0.3428

0.2922, 0.0000,  
0.3935

82.1468, 0.2929,  
0.3332

82.1468, 0.2929,  
0.3332

78.8009, 0.2802,  
0.3364

86.0309, 0.3064,  
0.3302

75.9588, 0.2686,  
0.3399

90.4653, 0.3205,  
0.3276

73.5981, 0.2584,  
0.3436

90.7697, 0.3193,  
0.3249

71.6907, 0.2499,  
0.3474

90.9386, 0.3176,  
0.3223

70.2055, 0.2433,  
0.3513

91.1100, 0.3159,  
0.3196

69.1074, 0.2385,  
0.3553

91.2839, 0.3143,  
0.3170

68.3558, 0.2358,  
0.3593

91.3825, 0.3133,  
0.3156

67.9009, 0.2348,  
0.3632

67.7358, 0.2348,  
0.3654

# Harmonies

## Analogous

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



82.1468, 0.3048, 0.3452



82.1468, 0.2929, 0.3332



82.1468, 0.2863, 0.3203

# Triad

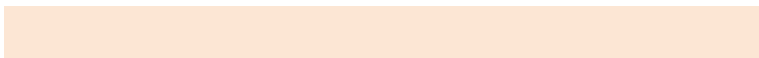
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1468, 0.2929, 0.3332



82.1468, 0.3060, 0.3067



82.1468, 0.3394, 0.3473

# Complementary

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



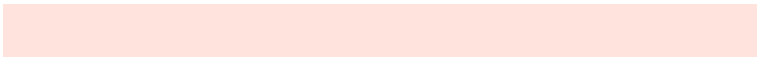
82.1468, 0.2929, 0.3332



67.5320, 0.3367, 0.3249

# 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.



82.1468, 0.3398, 0.3367



82.1468, 0.2929, 0.3332



82.1468, 0.3203, 0.3136

# Square

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



82.1468, 0.2929, 0.3332



82.1468, 0.2938, 0.3054



82.1468, 0.3328, 0.3245



82.1468, 0.3317, 0.3532

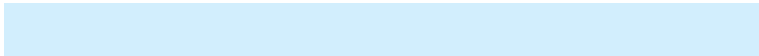


# Rectangle

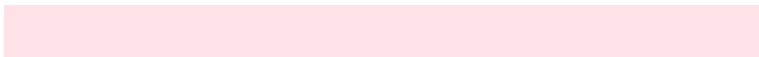
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



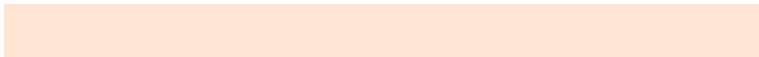
82.1468, 0.2929, 0.3332



82.1468, 0.2858, 0.3131



82.1468, 0.3328, 0.3245



82.1468, 0.3404, 0.3441

# Sweetspot

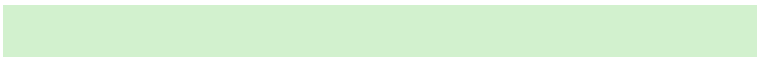
The Sweet Spot groups the original color and five complimentary colors.



82.1502, 0.2929, 0.3332



98.0420, 0.3071, 0.3301



81.0856, 0.3136, 0.3673



20.9086, 0.3061, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

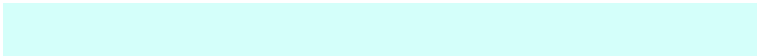


# Same Dimension

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



82.1502, 0.2929, 0.3332



92.3715, 0.2895, 0.3340



74.7512, 0.2902, 0.3144



17.8962, 0.2996, 0.3317



36.7492, 0.2347, 0.3647



3.0659, 0.2332, 0.3595



# Inverse Universe

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



67.5320, 0.3367, 0.3249



73.1601, 0.3418, 0.3241



74.0600, 0.3376, 0.3431



15.7881, 0.3275, 0.3263



10.1947, 0.6262, 0.3223

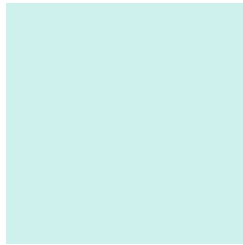


0.8576, 0.5991, 0.3074



# Previews

## White Background



This preview shows how the Yxy color 82.1468, 0.2929, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

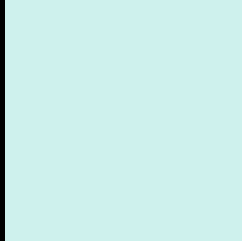
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1468, 0.2929, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

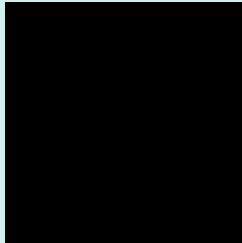
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

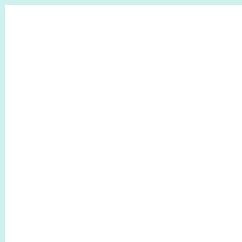
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1468, 0.2929, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1468, 0.2929, 0.3332.

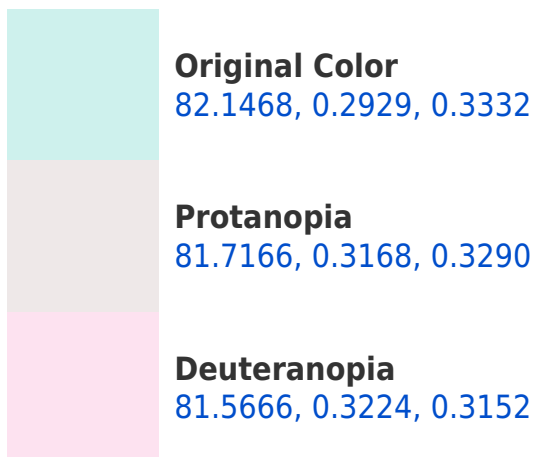


This preview shows how white text looks on a background with the Yxy color 82.1468, 0.2929, 0.3332.

# 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

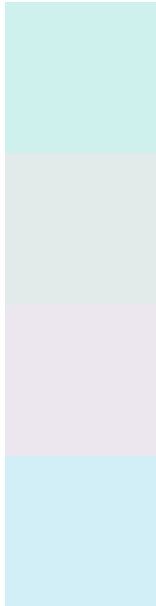




## Tritanopia

82.3661, 0.2863, 0.3112

# Trichromacy



**Original Color**

82.1468, 0.2929, 0.3332

**Protanomaly**

81.5259, 0.3074, 0.3300

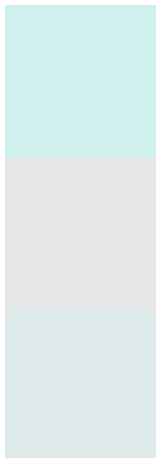
**Deuteranomaly**

81.2167, 0.3111, 0.3208

**Tritanomaly**

82.2120, 0.2890, 0.3194

# Monochromacy



**Original Color**

82.1468, 0.2929, 0.3332

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

80.1010, 0.3047, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1468, 0.2929, 0.3332 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(206, 241, 237)` looks like.

```
.text, #text, p{  
    color:rgb(206, 241, 237)  
}
```

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(206, 241, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 241, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1468, 0.2929, 0.3332 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(206, 241, 237) }
```

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

```
.border{ border-color:rgb(206, 241, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 241, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 241, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 241, 237);  
box-shadow:4px 4px 4px 4px rgb(206, 241,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1468, 0.2929, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 241, 237) }
```

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

```
.background{ background-color: rgb(206,  
241, 237) }
```

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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