

# Converting Colors

Yxy(81.7538, 0.2898, 0.3263)

Have a look what the booklet for  
Yxy(81.7538, 0.2898, 0.3263)  
contains.

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# Color

**Yxy(81.8528, 0.2900, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEF0F2
RGB	206, 240, 242
RGB Percent	81%, 94%, 95%
CMY	0.1923, 0.0588, 0.0510
CMYK	0.15, 0.01, 0.00, 0.05
HSL	183°, 58%, 88%
HSV	183°, 15%, 95%
XYZ	72.6356, 81.8528, 95.9792
YIQ	230.0620, -20.9060, -6.5860

# Conversions

## Conversions Part 2

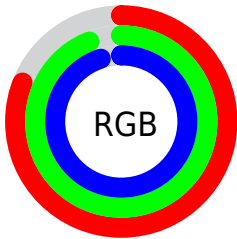
Format	Color
R <sub>YB</sub>	206, 223, 242
Decimal	13562098
CIE Lab	92.51, -10.58, -4.68
CIE LCh	93, 11.572, 203.848
Yxy	81.8528, 0.2900, 0.3268
Android (android.graphics.Color)	4291752178 (0xFFCEFF0F2)
YUV	230.0620, 5.8854, -21.1024
Hunter-Lab	90.4725, -15.0188, 0.4321

# Details

The Yxy color **81.8528, 0.2900, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4305, 0.3403, 0.3312**, and the grayscale version is **79.1452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4055, 0.2847, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **77.8694, 0.2758, 0.3252**, and if you desaturate by 10%, it is **86.3821, 0.3051, 0.3283**.

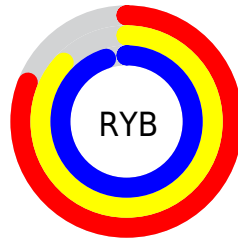
# Distribution



Red (81%)

Green (94%)

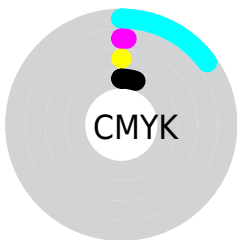
Blue (95%)



Red (81%)

Yellow (87%)

Blue (95%)

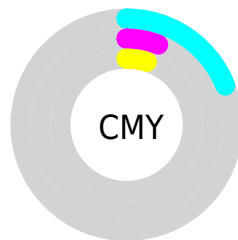


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (5%)



Cyan (19%)

Magenta (6%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8528, 0.2900, 0.3268 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 81.8528, 0.2900, 0.3268 by changing the saturation by 10% instead.



81.8528, 0.2900,  
0.3268

81.8528, 0.2900,  
0.3268

501.1552, 0.3002,  
0.3279

61.2442, 0.2877,  
0.3265

135.9676, 0.2935,  
0.3272

44.4223, 0.2849,  
0.3262

170.2425, 0.2949,  
0.3273

31.0026, 0.2815,  
0.3258

209.8417, 0.2961,  
0.3275

20.6008, 0.2770,  
0.3252

255.1496, 0.2971,  
0.3276

12.8326, 0.2711,  
0.3243

306.5504, 0.2980,  
0.3277

7.3133, 0.2628,  
0.3231

364.4287, 0.2988,

3.6588, 0.2504,

0.3278

0.3210

429.1688, 0.2996,  
0.3278

■ 1.4846, 0.2299,  
0.3169

■ 0.2779, 0.0063,  
0.3043

■ 81.8528, 0.2900,  
0.3268

■ 81.8528, 0.2900,  
0.3268

■ 77.8694, 0.2758,  
0.3252

■ 86.3821, 0.3051,  
0.3283

■ 74.3973, 0.2627,  
0.3235

■ 91.4698, 0.3208,  
0.3297

■ 71.4137, 0.2511,  
0.3217

■ 92.3917, 0.3211,  
0.3310

■ 68.8901, 0.2412,  
0.3198

■ 93.2013, 0.3210,  
0.3323

66.7949, 0.2332,  
0.3179

94.0168, 0.3209,  
0.3336

65.0926, 0.2271,  
0.3160

94.8381, 0.3208,  
0.3349

63.7416, 0.2230,  
0.3141

95.6654, 0.3207,  
0.3361

62.6913, 0.2206,  
0.3123

96.4986, 0.3206,  
0.3374

62.2315, 0.2198,  
0.3114

97.3377, 0.3205,  
0.3387

# Harmonies

## Analogous

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



81.8528, 0.2991, 0.3391



81.8528, 0.2900, 0.3268



81.8528, 0.2869, 0.3155

# Triad

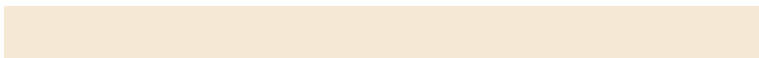
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8528, 0.2900, 0.3268



81.8528, 0.3131, 0.3105



81.8528, 0.3352, 0.3499

# Complementary

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



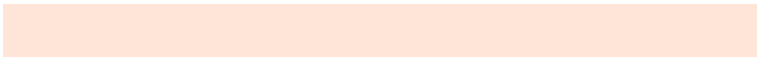
81.8528, 0.2900, 0.3268



68.4305, 0.3403, 0.3312

# 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.



81.8528, 0.3392, 0.3417



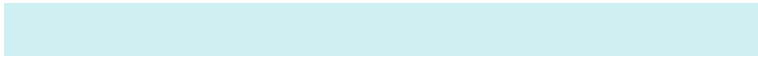
81.8528, 0.2900, 0.3268



81.8528, 0.3263, 0.3192

# Square

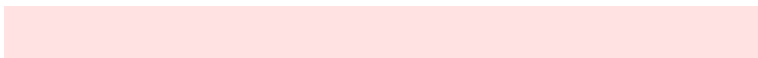
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8528, 0.2900, 0.3268



81.8528, 0.3001, 0.3064



81.8528, 0.3360, 0.3305



81.8528, 0.3251, 0.3525

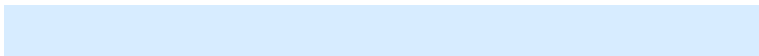


# Rectangle

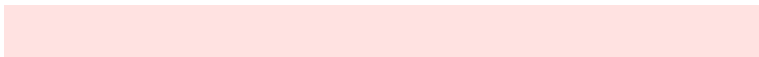
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



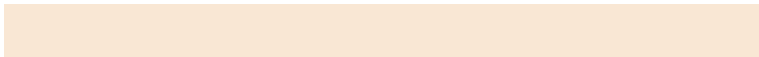
81.8528, 0.2900, 0.3268



81.8528, 0.2886, 0.3100



81.8528, 0.3360, 0.3305



81.8528, 0.3373, 0.3477

# Sweetspot

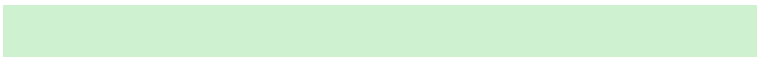
The Sweet Spot groups the original color and five complimentary colors.



81.8562, 0.2900, 0.3268



97.7567, 0.3065, 0.3284



81.1694, 0.3098, 0.3668



20.8361, 0.3053, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

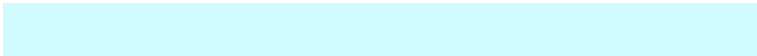


# Same Dimension

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



81.8562, 0.2900, 0.3268



90.6989, 0.2854, 0.3263



71.8724, 0.2893, 0.3074



17.7702, 0.2981, 0.3276



33.4973, 0.2199, 0.3117



2.8321, 0.2206, 0.3141



# Inverse Universe

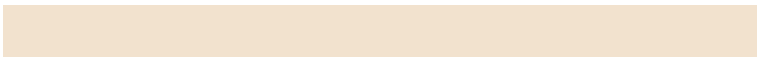
The Inverse Universe completely reimagines the original color for something new.



69.3007, 0.3158, 0.2941



73.9674, 0.3165, 0.2866



77.6132, 0.3375, 0.3497



16.0154, 0.3146, 0.3070



13.1749, 0.3353, 0.1621

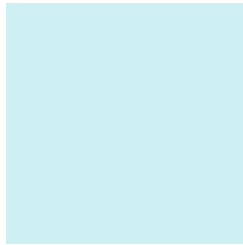


1.1006, 0.3332, 0.1609



# Previews

## White Background



This preview shows how the Yxy color 81.8528, 0.2900, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

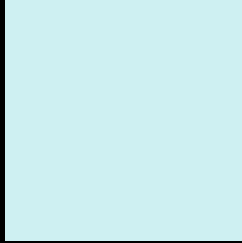
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.8528, 0.2900, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

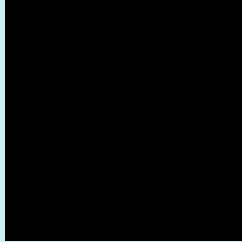
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

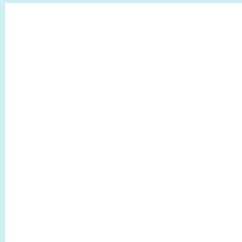
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.8528, 0.2900, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8528, 0.2900, 0.3268.

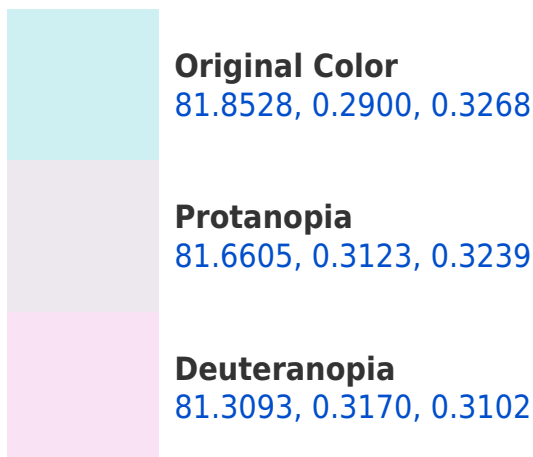


This preview shows how white text looks on a background with the Yxy color 81.8528, 0.2900, 0.3268.

# 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

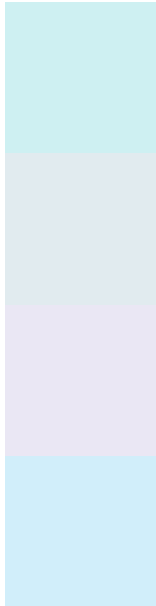




## Tritanopia

81.6373, 0.2857, 0.3101

# Trichromacy



**Original Color**

81.8528, 0.2900, 0.3268

**Protanomaly**

81.6562, 0.3037, 0.3248

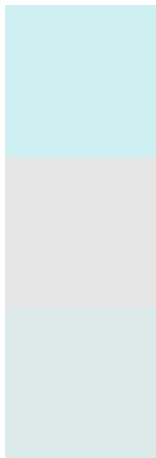
**Deuteranomaly**

81.1759, 0.3066, 0.3157

**Tritanomaly**

81.6065, 0.2873, 0.3163

# Monochromacy



**Original Color**

81.8528, 0.2900, 0.3268

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

80.1583, 0.3041, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8528, 0.2900, 0.3268 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, 240, 242)` looks like.

```
.text, #text, p{  
    color:rgb(206, 240, 242)  
}
```

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, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 240, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8528, 0.2900, 0.3268 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, 240, 242) }
```

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

```
.border{ border-color:rgb(206, 240, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 240, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 240, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 240, 242);  
box-shadow:4px 4px 4px 4px rgb(206, 240,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8528, 0.2900, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 240, 242) }
```

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

```
.background{ background-color: rgb(206,  
240, 242) }
```

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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