

# Converting Colors

$Yxy(81.2461, 0.2898, 0.3344)$

Have a look what the booklet for  
Yxy(81.2461, 0.2898, 0.3344)  
contains.

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# Color

**Yxy(81.2461, 0.2898, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F1EC
RGB	200, 241, 236
RGB Percent	78%, 95%, 93%
CMY	0.2157, 0.0549, 0.0746
CMYK	0.17, 0.00, 0.02, 0.05
HSL	173°, 59%, 86%
HSV	173°, 17%, 95%
XYZ	70.4100, 81.2461, 91.3047
YIQ	228.1710, -22.8310, -10.2470

# Conversions

## Conversions Part 2

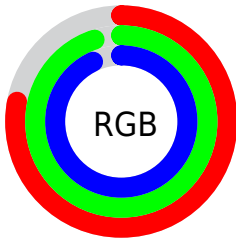
Format	Color
R <sub>Y</sub> B	200, 222, 241
Decimal	13169132
CIE Lab	92.24, -14.14, -1.98
CIE LCh	92, 14.281, 187.958
Yxy	81.2461, 0.2898, 0.3344
Android (android.graphics.Color)	4291359212 (0xFFC8F1EC)
YUV	228.1710, 3.8597, -24.7060
Hunter-Lab	90.1366, -18.3041, 3.0373

# Details

The Yxy color **81.2461, 0.2898, 0.3344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4181, 0.3415, 0.3237**, and the grayscale version is **77.6985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0130, 0.2845, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **78.0179, 0.2774, 0.3380**, and if you desaturate by 10%, it is **85.0069, 0.3030, 0.3311**.

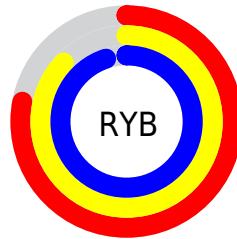
# Distribution



Red (78%)

Green (95%)

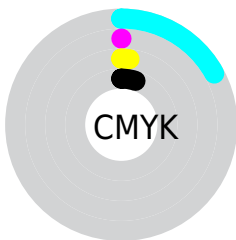
Blue (93%)



Red (78%)

Yellow (87%)

Blue (95%)

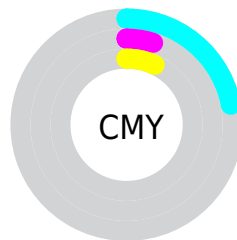


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (22%)

Magenta (5%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2461, 0.2898, 0.3344 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 81.2461, 0.2898, 0.3344 by changing the saturation by 10% instead.



81.2461, 0.2898,  
0.3344

81.2461, 0.2898,  
0.3344

499.1224, 0.3002,  
0.3320

60.7443, 0.2875,  
0.3349

135.1163, 0.2933,  
0.3336

44.0188, 0.2847,  
0.3356

169.2534, 0.2947,  
0.3333

30.6853, 0.2811,  
0.3363

208.7045, 0.2959,  
0.3330

20.3594, 0.2766,  
0.3373

253.8539, 0.2970,  
0.3328

12.6565, 0.2705,  
0.3386

305.0860, 0.2979,  
0.3325

7.1925, 0.2619,  
0.3404

362.7852, 0.2988,

3.5828, 0.2490,

0.3323

0.3429

427.3359, 0.2995,  
0.3322

■ 1.4430, 0.2276,  
0.3468

■ 0.2481, 0.0000,  
0.3779

■ 81.2461, 0.2898,  
0.3344

■ 81.2461, 0.2898,  
0.3344

■ 78.0179, 0.2774,  
0.3380

■ 85.0069, 0.3030,  
0.3311

■ 75.2878, 0.2663,  
0.3418


■ 89.3132, 0.3169,  
0.3281

■ 73.0327, 0.2566,  
0.3458

■ 90.7600, 0.3196,  
0.3253


■ 71.2238, 0.2486,  
0.3500


■ 90.9421, 0.3177,  
0.3224

 69.8291, 0.2425,  
0.3543

 91.1272, 0.3159,  
0.3196


 68.8124, 0.2383,  
0.3586

 91.3152, 0.3141,  
0.3168

 68.1311, 0.2361,  
0.3629

 91.3963, 0.3133,  
0.3156

 67.7306, 0.2357,  
0.3672

 67.6397, 0.2357,  
0.3685

# Harmonies

## Analogous

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



81.2461, 0.3038, 0.3485



81.2461, 0.2898, 0.3344



81.2461, 0.2819, 0.3192

# Triad

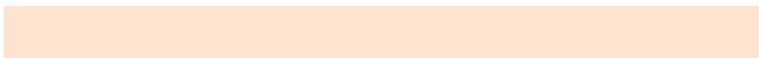
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2461, 0.2898, 0.3344



81.2461, 0.3043, 0.3027



81.2461, 0.3443, 0.3500

# Complementary

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



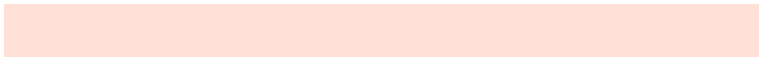
81.2461, 0.2898, 0.3344



64.4181, 0.3415, 0.3237

# 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.



81.2461, 0.3445, 0.3375



81.2461, 0.2898, 0.3344



81.2461, 0.3211, 0.3107

# Square

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



81.2461, 0.2898, 0.3344



81.2461, 0.2901, 0.3014



81.2461, 0.3360, 0.3232



81.2461, 0.3354, 0.3574

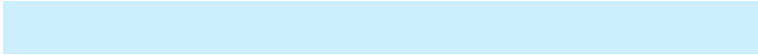


# Rectangle

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



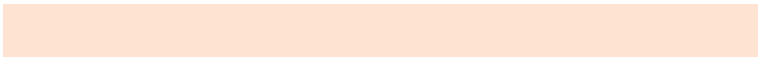
81.2461, 0.2898, 0.3344



81.2461, 0.2811, 0.3106



81.2461, 0.3360, 0.3232



81.2461, 0.3454, 0.3463

# Sweetspot

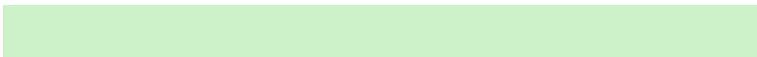
The Sweet Spot groups the original color and five complimentary colors.



81.2495, 0.2898, 0.3344



97.5610, 0.3058, 0.3305



80.1314, 0.3141, 0.3746



20.8114, 0.3048, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

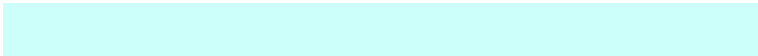


# Same Dimension

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



81.2495, 0.2898, 0.3344



91.1804, 0.2859, 0.3355



73.0070, 0.2862, 0.3124



17.8936, 0.2997, 0.3319



36.6898, 0.2355, 0.3678



3.0616, 0.2339, 0.3621



# Inverse Universe

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



64.4181, 0.3415, 0.3237



69.1121, 0.3478, 0.3227



71.4904, 0.3427, 0.3450



15.7904, 0.3274, 0.3261



10.2011, 0.6246, 0.3215

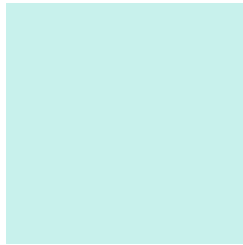


0.8587, 0.5962, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 81.2461, 0.2898, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

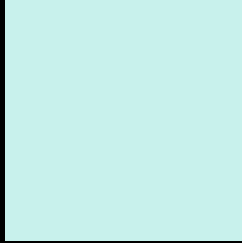
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2461, 0.2898, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

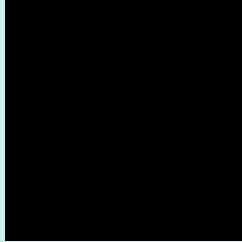
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

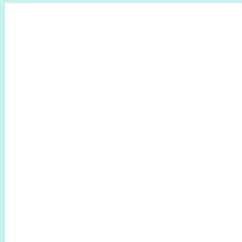
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.2461, 0.2898, 0.3344**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2461, 0.2898, 0.3344.

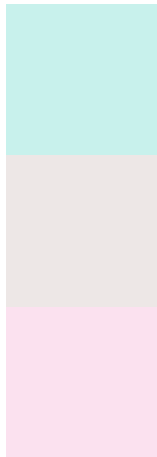


This preview shows how white text looks on a background with the Yxy color 81.2461, 0.2898, 0.3344.

# 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

81.2461, 0.2898, 0.3344

### Protanopia

80.8695, 0.3175, 0.3300

### Deuteranopia

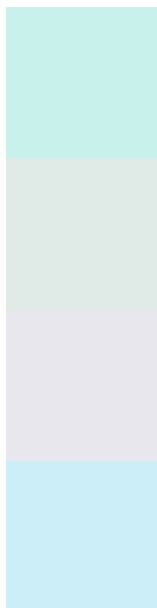
80.5917, 0.3217, 0.3151



## Tritanopia

80.9102, 0.2827, 0.3100

# Trichromacy



## Original Color

81.2461, 0.2898, 0.3344

## Protanomaly

81.0902, 0.3073, 0.3321

## Deuteranomaly

80.4807, 0.3090, 0.3218

## Tritanomaly

80.7638, 0.2854, 0.3183

# Monochromacy



## Original Color

81.2461, 0.2898, 0.3344

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.9528, 0.3039, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2461, 0.2898, 0.3344 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(200, 241, 236)` looks like.

```
.text, #text, p{  
    color:rgb(200, 241, 236)  
}
```

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(200, 241, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 241, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2461, 0.2898, 0.3344 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(200, 241, 236) }
```

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

```
.border{ border-color:rgb(200, 241, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 241, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 241, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 241, 236);  
box-shadow:4px 4px 4px 4px rgb(200, 241,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2461, 0.2898, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 241, 236) }
```

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

```
.background{ background-color: rgb(200,  
241, 236) }
```

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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