

# Converting Colors

$Yxy(79.9143, 0.2965, 0.3374)$

Have a look what the booklet for  
Yxy(79.9143, 0.2965, 0.3374)  
contains.

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# Color

**Yxy(79.9841, 0.2968, 0.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEEE6
RGB	206, 238, 230
RGB Percent	81%, 93%, 90%
CMY	0.1921, 0.0667, 0.0979
CMYK	0.13, 0.00, 0.03, 0.07
HSL	165°, 48%, 87%
HSV	165°, 13%, 93%
XYZ	70.3178, 79.9841, 86.6179
YIQ	227.5200, -16.5040, -9.2720

# Conversions

## Conversions Part 2

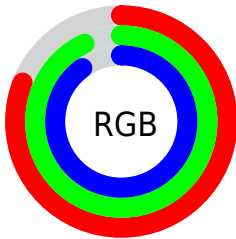
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 224, 238
Decimal	13561574
CIE Lab	91.68, -11.91, 0.34
CIE LCh	92, 11.917, 178.387
Yxy	79.9841, 0.2968, 0.3376
Android (android.graphics.Color)	4291751654 (0xFFCEEEE6)
YUV	227.5200, 1.2226, -18.8730
Hunter-Lab	89.4338, -16.1627, 5.1805

# Details

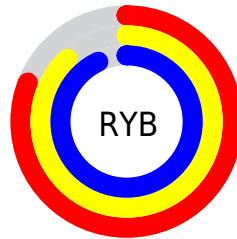
The Yxy color **79.9841, 0.2968, 0.3376** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1822, 0.3315, 0.3206**, and the grayscale version is **77.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1304, 0.2925, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **76.5072, 0.2856, 0.3448**, and if you desaturate by 10%, it is **83.9948, 0.3086, 0.3311**.

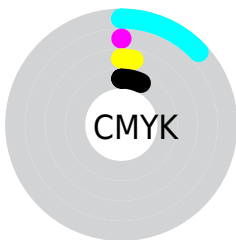
# Distribution



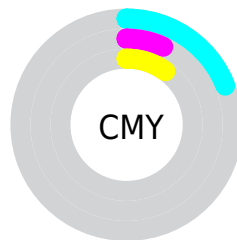
- Red (81%)
- Green (93%)
- Blue (90%)



- Red (81%)
- Yellow (88%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (19%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9841, 0.2968, 0.3376 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 79.9841, 0.2968, 0.3376 by changing the saturation by 10% instead.




 79.9841, 0.2968,  
0.3376

 79.9841, 0.2968,  
0.3376


494.8792, 0.3040,  
0.3337

 59.7053, 0.2952,  
0.3385


133.3434, 0.2993,  
0.3363

 43.1811, 0.2932,  
0.3396


167.1926, 0.3003,  
0.3357

 30.0272, 0.2907,  
0.3409


206.3341, 0.3011,  
0.3353

 19.8593, 0.2874,  
0.3427

251.1523, 0.3018,  
0.3349

 12.2928, 0.2830,  
0.3450

302.0314, 0.3025,  
0.3345

 6.9434, 0.2768,  
0.3484

359.3561, 0.3031,

 3.4267, 0.2674,

0.3342

0.3536

423.5105, 0.3036,  
0.3339

■ 1.3584, 0.2512,  
0.3624

■ 0.1857, 0.0000,  
0.5095

■ 79.9841, 0.2968,  
0.3376

■ 79.9841, 0.2968,  
0.3376

■ 76.5072, 0.2856,  
0.3448

■ 83.9948, 0.3086,  
0.3311

■ 73.5309, 0.2754,  
0.3525

■ 88.5509, 0.3207,  
0.3252

■ 71.0334, 0.2663,  
0.3608

■ 89.1741, 0.3179,  
0.3195

■ 68.9876, 0.2587,  
0.3696

■ 89.5476, 0.3143,  
0.3138

■ 67.3637, 0.2529,  
0.3788

■ 89.6281, 0.3135,  
0.3127

■ 66.1280, 0.2490,  
0.3881

■ 65.2416, 0.2471,  
0.3975

■ 64.6575, 0.2472,  
0.4068

■ 64.3913, 0.2480,  
0.4129

# Harmonies

## Analogous

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



79.9841, 0.3097, 0.3482



79.9841, 0.2968, 0.3376



79.9841, 0.2882, 0.3248

# Triad

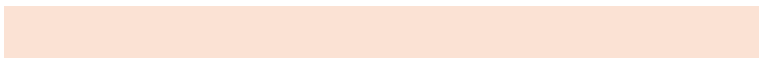
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9841, 0.2968, 0.3376



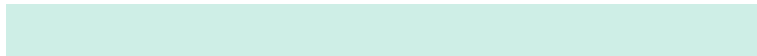
79.9841, 0.3015, 0.3058



79.9841, 0.3401, 0.3437

# Complementary

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



79.9841, 0.2968, 0.3376



67.1822, 0.3315, 0.3206

# 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.



79.9841, 0.3378, 0.3324



79.9841, 0.2968, 0.3376



79.9841, 0.3153, 0.3109

# Square

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



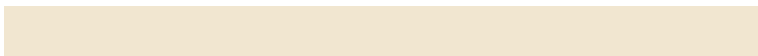
79.9841, 0.2968, 0.3376



79.9841, 0.2909, 0.3067



79.9841, 0.3287, 0.3205



79.9841, 0.3348, 0.3515



# Rectangle

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



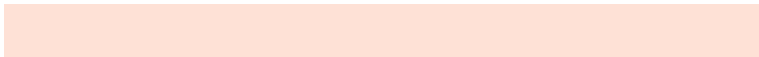
79.9841, 0.2968, 0.3376



79.9841, 0.2860, 0.3169



79.9841, 0.3287, 0.3205



79.9841, 0.3402, 0.3402

# Sweetspot

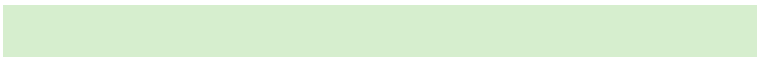
The Sweet Spot groups the original color and five complimentary colors.



79.9874, 0.2968, 0.3376



97.9540, 0.3079, 0.3314



79.9033, 0.3164, 0.3640



20.8863, 0.3070, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

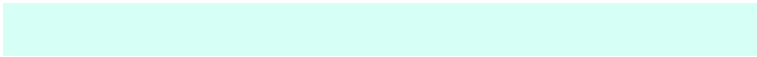


# Same Dimension

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



79.9874, 0.2968, 0.3376



92.4289, 0.2938, 0.3394



75.8927, 0.2920, 0.3203



17.8577, 0.3014, 0.3349



35.9462, 0.2476, 0.4114



3.0061, 0.2442, 0.3992



# Inverse Universe

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



67.1822, 0.3315, 0.3206



74.8560, 0.3358, 0.3188



70.7336, 0.3362, 0.3376



15.8234, 0.3254, 0.3231



10.3362, 0.5932, 0.3041



0.8753, 0.5563, 0.2838



# Previews

## White Background



This preview shows how the Yxy color 79.9841, 0.2968, 0.3376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

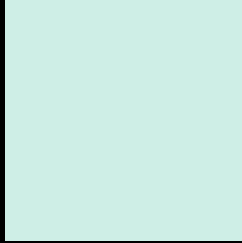
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9841, 0.2968, 0.3376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

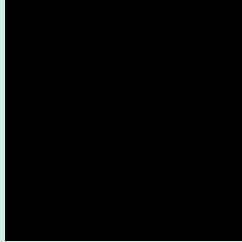
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

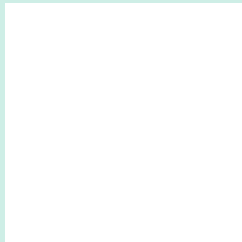
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.9841, 0.2968, 0.3376**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9841, 0.2968, 0.3376.

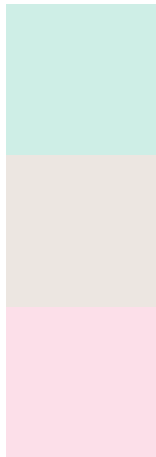


This preview shows how white text looks on a background with the Yxy color 79.9841, 0.2968, 0.3376.

# 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

79.9841, 0.2968, 0.3376

### Protanopia

79.8627, 0.3201, 0.3342

### Deuteranopia

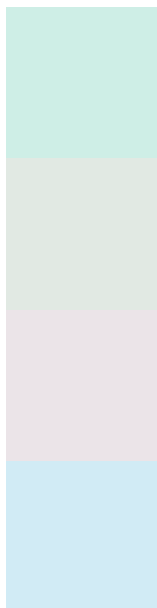
79.3540, 0.3266, 0.3190



## Tritanopia

79.6391, 0.2860, 0.3089

# Trichromacy



## Original Color

79.9841, 0.2968, 0.3376

## Protanomaly

79.8314, 0.3111, 0.3353

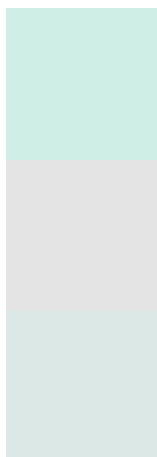
## Deuteranomaly

78.9752, 0.3150, 0.3249

## Tritanomaly

79.5645, 0.2900, 0.3183

# Monochromacy



## Original Color

79.9841, 0.2968, 0.3376

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.5860, 0.3065, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9841, 0.2968, 0.3376 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, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 230)  
}
```

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, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9841, 0.2968, 0.3376 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, 238, 230) }
```

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

```
.border{ border-color:rgb(206, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 238, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 238, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 238,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9841, 0.2968, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 230) }
```

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

```
.background{ background-color: rgb(206,  
238, 230) }
```

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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