

# Converting Colors

$Yxy(71.5184, 0.2976, 0.3379)$

Have a look what the booklet for  
Yxy(71.5184, 0.2976, 0.3379)  
contains.

<b>Yxy(71.3250, 0.2980, 0.3381)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.3250, 0.2980, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5E2DA
RGB	197, 226, 218
RGB Percent	77%, 89%, 85%
CMY	0.2276, 0.1137, 0.1452
CMYK	0.13, 0.00, 0.04, 0.11
HSL	163°, 33%, 83%
HSV	163°, 13%, 89%
XYZ	62.8656, 71.3250, 76.7677
YIQ	216.4170, -14.7160, -8.6360

# Conversions

## Conversions Part 2

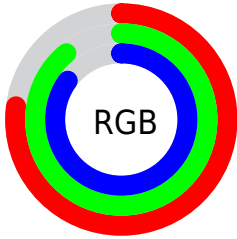
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	197, 214, 226
Decimal	12968666
CIE Lab	87.64, -11.10, 0.69
CIE LCh	88, 11.117, 176.454
Yxy	71.3250, 0.2980, 0.3381
Android (android.graphics.Color)	4291158746 (0xFFC5E2DA)
YUV	216.4170, 0.7804, -17.0287
Hunter-Lab	84.4541, -14.9237, 5.2240

# Details

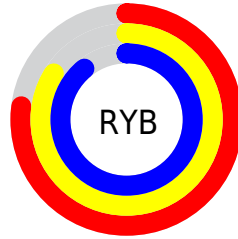
The Yxy color **71.3250, 0.2980, 0.3381** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.4911, 0.3299, 0.3201**, and the grayscale version is **68.9663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **37.6098, 0.2946, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **68.1819, 0.2872, 0.3460**, and if you desaturate by 10%, it is **74.9439, 0.3094, 0.3309**.

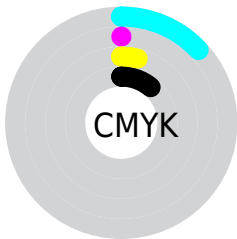
# Distribution



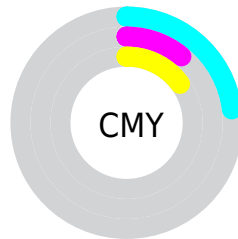
- Red (77%)
- Green (89%)
- Blue (85%)



- Red (77%)
- Yellow (84%)
- Blue (89%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3250, 0.2980, 0.3381 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 71.3250, 0.2980, 0.3381 by changing the saturation by 10% instead.



■ 71.3250, 0.2980,  
0.3381

■ 71.3250, 0.2980,  
0.3381

465.1887, 0.3048,  
0.3339

■ 52.6075, 0.2964,  
0.3391

121.0964, 0.3004,  
0.3366

■ 37.4895, 0.2945,  
0.3403

152.9190, 0.3013,  
0.3361

■ 25.5867, 0.2920,  
0.3418

189.8788, 0.3021,  
0.3356

■ 16.5147, 0.2887,  
0.3439

232.3601, 0.3028,  
0.3351

■ 9.8891, 0.2843,  
0.3466

280.7474, 0.3034,  
0.3348

■ 5.3255, 0.2778,  
0.3507

335.4250, 0.3039,

■ 2.4395, 0.2674,

0.3344

396.7773, 0.3044,  
0.3341

0.3573

0.8461, 0.2368,  
0.3756

0.0000, 0.0000,  
0.0000

71.3250, 0.2980,  
0.3381

71.3250, 0.2980,  
0.3381

68.1819, 0.2872,  
0.3460

74.9439, 0.3094,  
0.3309

65.4851, 0.2772,  
0.3546


79.0486, 0.3211,  
0.3245


63.2156, 0.2683,  
0.3639


81.7620, 0.3260,  
0.3185

61.3497, 0.2609,  
0.3736


82.1334, 0.3218,  
0.3124

 59.8610, 0.2551,  
0.3838


 82.5176, 0.3177,  
0.3064

 58.7203, 0.2513,  
0.3942

 82.8830, 0.3140,  
0.3009

 57.8936, 0.2495,  
0.4048

 57.3401, 0.2497,  
0.4152

 57.0651, 0.2507,  
0.4226

# Harmonies

## Analogous

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



71.3250, 0.3107, 0.3481



71.3250, 0.2980, 0.3381



71.3250, 0.2893, 0.3257

# Triad

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



71.3250, 0.2980, 0.3381



71.3250, 0.3010, 0.3064



71.3250, 0.3393, 0.3427

# Complementary

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



71.3250, 0.2980, 0.3381



60.4911, 0.3299, 0.3201

# 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.



71.3250, 0.3367, 0.3315



71.3250, 0.2980, 0.3381



71.3250, 0.3143, 0.3110

# Square

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



71.3250, 0.2980, 0.3381



71.3250, 0.2911, 0.3076



71.3250, 0.3274, 0.3201



71.3250, 0.3347, 0.3505



# Rectangle

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



71.3250, 0.2980, 0.3381



71.3250, 0.2869, 0.3179



71.3250, 0.3274, 0.3201



71.3250, 0.3392, 0.3392

# Sweetspot

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



71.3280, 0.2980, 0.3381



97.9361, 0.3080, 0.3317



71.4382, 0.3169, 0.3622



20.8818, 0.3072, 0.3322



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.



71.3280, 0.2980, 0.3381



92.7906, 0.2955, 0.3398



68.3965, 0.2929, 0.3218



15.5043, 0.3018, 0.3356



32.5706, 0.2503, 0.4209



2.2725, 0.2458, 0.4050



# Inverse Universe

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



60.4911, 0.3299, 0.3201



76.3213, 0.3334, 0.3185



63.0317, 0.3352, 0.3361



13.7625, 0.3249, 0.3225



9.4433, 0.5835, 0.2988

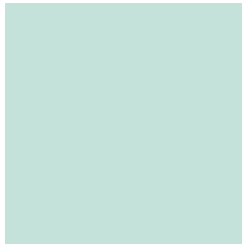


0.6695, 0.5393, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 71.3250, 0.2980, 0.3381 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 71.3250, 0.2980, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

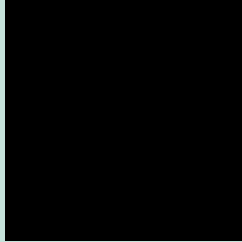
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

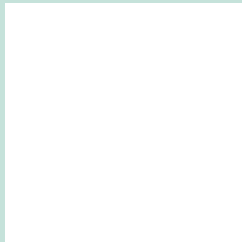
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.3250, 0.2980, 0.3381**

## Background



This preview shows how black text looks on a background with the Yxy color 71.3250, 0.2980, 0.3381.

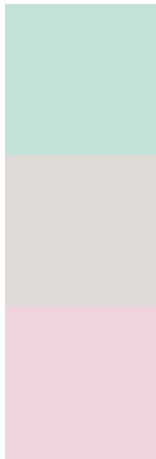


This preview shows how white text looks on a background with the Yxy color 71.3250, 0.2980, 0.3381.

# 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

71.3250, 0.2980, 0.3381

### Protanopia

70.8451, 0.3198, 0.3334

### Deuteranopia

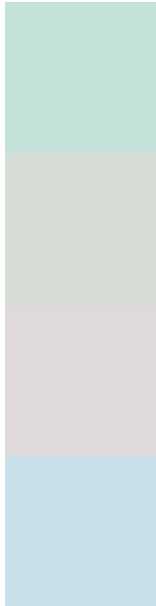
70.8327, 0.3273, 0.3196



## Tritanopia

71.4841, 0.2873, 0.3102

# Trichromacy



**Original Color**

71.3250, 0.2980, 0.3381

**Protanomaly**

70.9153, 0.3117, 0.3357

**Deuteranomaly**

70.6403, 0.3158, 0.3258

**Tritanomaly**

71.4169, 0.2915, 0.3200

# Monochromacy



**Original Color**

71.3250, 0.2980, 0.3381

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.7515, 0.3069, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3250, 0.2980, 0.3381 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(197, 226, 218)` looks like.

```
.text, #text, p{  
    color:rgb(197, 226, 218)  
}
```

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(197, 226, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 226, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3250, 0.2980, 0.3381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

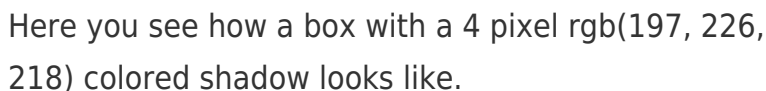
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 226, 218) }
```

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

```
.border{ border-color:rgb(197, 226, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 226, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 226, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 226, 218); box-shadow:4px 4px 4px 4px rgb(197, 226, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3250, 0.2980, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 226, 218) }
```

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

```
.background{ background-color: rgb(197,  
226, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor