

# Converting Colors

$Yxy(71.7760, 0.3023, 0.3373)$

Have a look what the booklet for  
Yxy(71.7760, 0.3023, 0.3373)  
contains.

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# Color

**Yxy(71.6089, 0.3020, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE1DA
RGB	203, 225, 218
RGB Percent	80%, 88%, 85%
CMY	0.2040, 0.1176, 0.1449
CMYK	0.10, 0.00, 0.03, 0.12
HSL	161°, 27%, 84%
HSV	161°, 10%, 88%
XYZ	64.2099, 71.6089, 76.7967
YIQ	217.6240, -10.8650, -6.8410

# Conversions

## Conversions Part 2

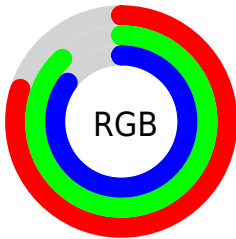
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 216, 225
Decimal	13361626
CIE <sub>Lab</sub>	87.78, -8.60, 0.90
CIE <sub>LCh</sub>	88, 8.651, 174.015
Yxy	71.6089, 0.3020, 0.3368
Android (android.graphics.Color)	4291551706 (0xFFCBE1DA)
YUV	217.6240, 0.1854, -12.8252
Hunter-Lab	84.6220, -12.6456, 5.4282

# Details

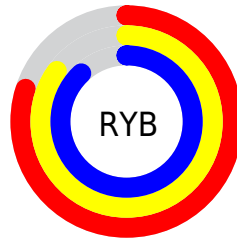
The Yxy color **71.6089, 0.3020, 0.3368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.3638, 0.3247, 0.3213**, and the grayscale version is **69.8447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7834, 0.2998, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **68.3145, 0.2915, 0.3456**, and if you desaturate by 10%, it is **75.3838, 0.3130, 0.3288**.

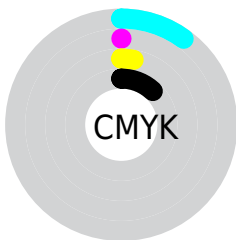
# Distribution



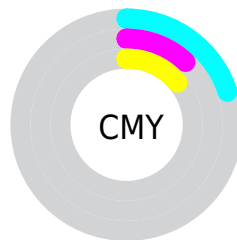
- Red (80%)
- Green (88%)
- Blue (85%)



- Red (80%)
- Yellow (85%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6089, 0.3020, 0.3368 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 71.6089, 0.3020, 0.3368 by changing the saturation by 10% instead.



■ 71.6089, 0.3020,  
0.3368

■ 71.6089, 0.3020,  
0.3368

466.1792, 0.3070,  
0.3332

■ 52.8393, 0.3009,  
0.3376

121.5003, 0.3037,  
0.3355

■ 37.6745, 0.2994,  
0.3387

153.3909, 0.3044,  
0.3350

■ 25.7301, 0.2976,  
0.3400

190.4239, 0.3050,  
0.3346

■ 16.6219, 0.2953,  
0.3417

232.9837, 0.3055,  
0.3343

■ 9.9653, 0.2920,  
0.3441

281.4548, 0.3059,  
0.3339

■ 5.3759, 0.2873,  
0.3476

336.2214, 0.3063,

■ 2.4695, 0.2797,

0.3337

397.6681, 0.3067,  
0.3334

0.3533

0.8613, 0.2596,  
0.3673

0.0000, 0.0000,  
0.0000

71.6089, 0.3020,  
0.3368

71.6089, 0.3020,  
0.3368

68.3145, 0.2915,  
0.3456

75.3838, 0.3130,  
0.3288

65.4717, 0.2816,  
0.3553


79.6487, 0.3241,  
0.3217


63.0621, 0.2728,  
0.3657


81.3678, 0.3243,  
0.3149


61.0628, 0.2653,  
0.3768


81.7975, 0.3196,  
0.3080


 59.4485, 0.2593,  
0.3885


 82.2438, 0.3150,  
0.3012

 58.1911, 0.2552,  
0.4005

 82.3332, 0.3141,  
0.2999

 57.2588, 0.2531,  
0.4127

 56.6134, 0.2531,  
0.4248

 56.1904, 0.2547,  
0.4367

# Harmonies

## Analogous

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



71.6089, 0.3120, 0.3442



71.6089, 0.3020, 0.3368



71.6089, 0.2949, 0.3273

# Triad

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



71.6089, 0.3020, 0.3368



71.6089, 0.3029, 0.3113



71.6089, 0.3334, 0.3391

# Complementary

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



71.6089, 0.3020, 0.3368



63.3638, 0.3247, 0.3213

# 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.



71.6089, 0.3309, 0.3303



71.6089, 0.3020, 0.3368



71.6089, 0.3131, 0.3145

# Square

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



71.6089, 0.3020, 0.3368



71.6089, 0.2954, 0.3127



71.6089, 0.3234, 0.3214



71.6089, 0.3303, 0.3454



# Rectangle

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



71.6089, 0.3020, 0.3368



71.6089, 0.2927, 0.3212



71.6089, 0.3234, 0.3214



71.6089, 0.3332, 0.3363

# Sweetspot

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



71.6119, 0.3020, 0.3368



98.4231, 0.3094, 0.3313



71.8598, 0.3164, 0.3538



20.9785, 0.3085, 0.3320



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.



71.6119, 0.3020, 0.3368



94.0438, 0.2995, 0.3388



69.8271, 0.2977, 0.3244



15.4947, 0.3024, 0.3365



32.3952, 0.2542, 0.4351



2.2615, 0.2491, 0.4167



# Inverse Universe

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



63.3638, 0.3247, 0.3213



80.7313, 0.3279, 0.3195



64.9559, 0.3294, 0.3335



13.7716, 0.3243, 0.3216



9.5061, 0.5696, 0.2911



0.6748, 0.5257, 0.2670



# Previews

## White Background



This preview shows how the Yxy color 71.6089, 0.3020, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

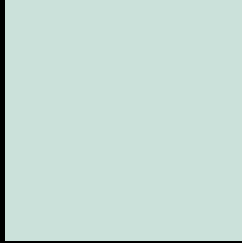
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6089, 0.3020, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

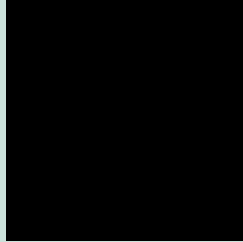
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

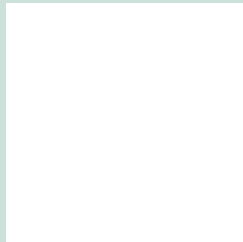
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.6089, 0.3020, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6089, 0.3020, 0.3368.

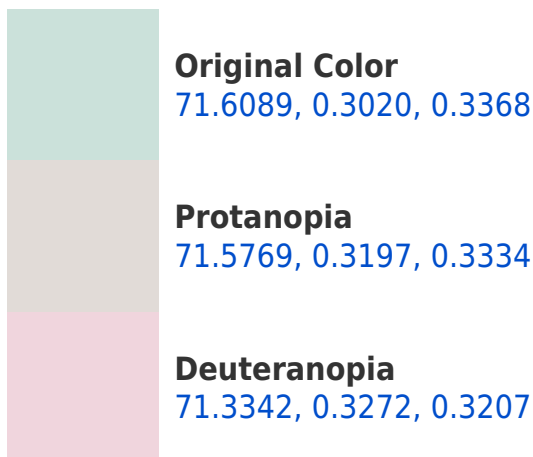


This preview shows how white text looks on a background with the Yxy color 71.6089, 0.3020, 0.3368.

# 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

71.7399, 0.2918, 0.3104

# Trichromacy



## Original Color

71.6089, 0.3020, 0.3368

## Protanomaly

71.4225, 0.3132, 0.3345

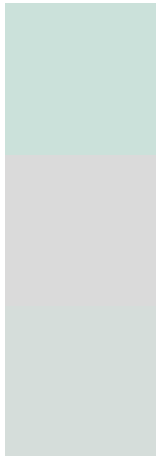
## Deuteranomaly

71.1239, 0.3179, 0.3258

## Tritanomaly

71.6667, 0.2960, 0.3201

# Monochromacy



## Original Color

71.6089, 0.3020, 0.3368

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.9210, 0.3090, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6089, 0.3020, 0.3368 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(203, 225, 218)` looks like.

```
.text, #text, p{  
    color:rgb(203, 225, 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(203, 225, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 225, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6089, 0.3020, 0.3368 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(203, 225, 218) }
```

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

```
.border{ border-color:rgb(203, 225, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 225, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 225, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 225, 218);  
box-shadow:4px 4px 4px 4px rgb(203, 225,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6089, 0.3020, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 225, 218) }
```

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

```
.background{ background-color: rgb(203,  
225, 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](#).

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