

Converting Colors

$Yxy(71.5701, 0.3009, 0.3310)$

Have a look what the booklet for
Yxy(71.5701, 0.3009, 0.3310)
contains.

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Color

Yxy(71.5644, 0.3009, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	CDE0DE
RGB	205, 224, 222
RGB Percent	80%, 88%, 87%
CMY	0.1961, 0.1215, 0.1294
CMYK	0.08, 0.00, 0.01, 0.12
HSL	174°, 23%, 84%
HSV	174°, 8%, 88%
XYZ	65.0173, 71.5644, 79.4944
YIQ	218.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

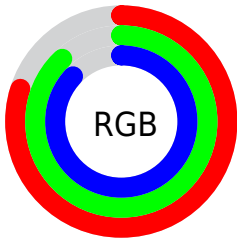
Format	Color
R _Y B	205, 215, 224
Decimal	13492446
CIE Lab	87.76, -6.68, -1.20
CIE LCh	88, 6.786, 190.149
Yxy	71.5644, 0.3009, 0.3312
Android (android.graphics.Color)	4291682526 (0xFFCDE0DE)
YUV	218.0910, 1.9271, -11.4808
Hunter-Lab	84.5957, -10.8538, 3.5024

Details

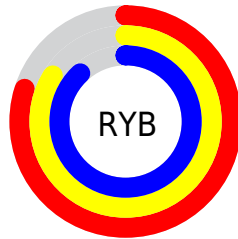
The Yxy color **71.5644, 0.3009, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.0165, 0.3259, 0.3268**, and the grayscale version is **70.1709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7453, 0.2983, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **68.4808, 0.2876, 0.3340**, and if you desaturate by 10%, it is **75.1119, 0.3149, 0.3286**.

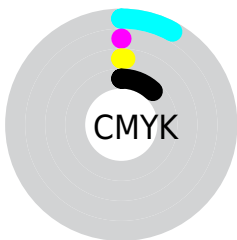
Distribution



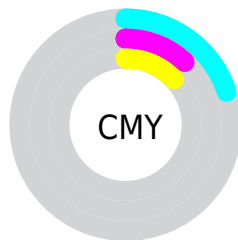
- Red (80%)
- Green (88%)
- Blue (87%)



- Red (80%)
- Yellow (84%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5644, 0.3009, 0.3312 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 71.5644, 0.3009, 0.3312 by changing the saturation by 10% instead.

■ 71.5644, 0.3009,
0.3312

■ 71.5644, 0.3009,
0.3312

466.0240, 0.3064,
0.3302

■ 52.8029, 0.2996,
0.3314

121.4370, 0.3028,
0.3309

■ 37.6455, 0.2981,
0.3317

153.3169, 0.3035,
0.3307

■ 25.7076, 0.2961,
0.3320

190.3385, 0.3042,
0.3306

■ 16.6051, 0.2935,
0.3325

232.8860, 0.3047,
0.3305

■ 9.9533, 0.2900,
0.3331

281.3439, 0.3052,
0.3304

■ 5.3680, 0.2849,
0.3340

336.0966, 0.3057,

■ 2.4648, 0.2767,

0.3303

397.5285, 0.3060,
0.3303

0.3353

0.8589, 0.2580,
0.3392

0.0000, 0.0000,
0.0000

71.5644, 0.3009,
0.3312

71.5644, 0.3009,
0.3312

68.4808, 0.2876,
0.3340

75.1119, 0.3149,
0.3286

65.8327, 0.2752,
0.3371

79.1323, 0.3292,
0.3263

63.6025, 0.2641,
0.3403

80.2359, 0.3313,
0.3240


61.7678, 0.2545,
0.3438

80.3687, 0.3297,
0.3217

 60.3042, 0.2467,
0.3473


 80.5034, 0.3281,
0.3193

 59.1846, 0.2407,
0.3510


 80.6398, 0.3265,
0.3170

 58.3782, 0.2367,
0.3546

 80.7781, 0.3250,
0.3147

 57.8484, 0.2346,
0.3583

 80.9182, 0.3234,
0.3124

 57.5416, 0.2340,
0.3619

 81.0601, 0.3218,
0.3101

Harmonies

Analogous

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



71.5644, 0.3078, 0.3381



71.5644, 0.3009, 0.3312



71.5644, 0.2972, 0.3238

Triad

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



71.5644, 0.3009, 0.3312



71.5644, 0.3092, 0.3160



71.5644, 0.3281, 0.3399

Complementary

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



71.5644, 0.3009, 0.3312



64.0165, 0.3259, 0.3268

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.



71.5644, 0.3285, 0.3339



71.5644, 0.3009, 0.3312



71.5644, 0.3175, 0.3202

Square

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



71.5644, 0.3009, 0.3312



71.5644, 0.3019, 0.3151



71.5644, 0.3246, 0.3267



71.5644, 0.3235, 0.3431

Rectangle

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



71.5644, 0.3009, 0.3312



71.5644, 0.2969, 0.3196



71.5644, 0.3246, 0.3267



71.5644, 0.3288, 0.3382

Sweetspot

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



71.5674, 0.3009, 0.3312



98.5260, 0.3085, 0.3298



71.0188, 0.3133, 0.3505



21.0064, 0.3073, 0.3300



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.



71.5674, 0.3009, 0.3312



95.3085, 0.2987, 0.3316



67.8430, 0.2996, 0.3208



15.5462, 0.2996, 0.3315



33.4794, 0.2339, 0.3619



2.3279, 0.2323, 0.3563

Inverse Universe

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



64.0165, 0.3259, 0.3268



83.4126, 0.3287, 0.3264



67.4860, 0.3266, 0.3371



13.7239, 0.3276, 0.3266



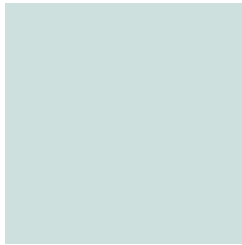
9.2697, 0.6271, 0.3228



0.6506, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 71.5644, 0.3009, 0.3312 looks on a white background.

Color Contrast Check

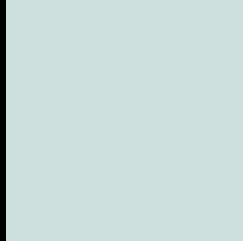
Large Text (above 18pt) WCAG AA × Fail

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 71.5644, 0.3009, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

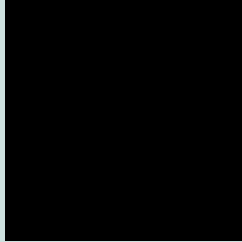
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

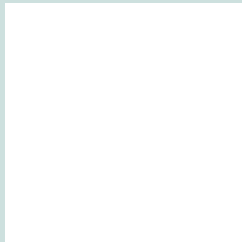
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5644, 0.3009, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 71.5644, 0.3009, 0.3312.



This preview shows how white text looks on a background with the Yxy color 71.5644, 0.3009, 0.3312.

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

71.5644, 0.3009, 0.3312

Protanopia

71.6248, 0.3163, 0.3290

Deuteranopia

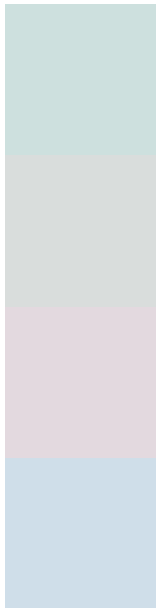
71.3210, 0.3243, 0.3175



Tritanopia

71.3548, 0.2924, 0.3093

Trichromacy



Original Color

71.5644, 0.3009, 0.3312

Protanomaly

71.6319, 0.3105, 0.3301

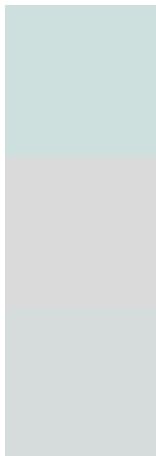
Deuteranomaly

71.2843, 0.3159, 0.3226

Tritanomaly

71.3911, 0.2954, 0.3169

Monochromacy



Original Color

71.5644, 0.3009, 0.3312

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.4470, 0.3084, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5644, 0.3009, 0.3312 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(205, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 222)  
}
```

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(205, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 222) }
```

Border

The CSS property to change the border of an element to Yxy 71.5644, 0.3009, 0.3312 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(205, 224, 222) }
```

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

```
.border{ border-color:rgb(205, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5644, 0.3009, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 222) }
```

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

```
.background{ background-color: rgb(205,  
224, 222) }
```

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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