

Converting Colors

$Yxy(66.3033, 0.3001, 0.3311)$

Have a look what the booklet for
Yxy(66.3033, 0.3001, 0.3311)
contains.

Yxy(66.4023, 0.2999, 0.3313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.4023, 0.2999, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	C5D9D7
RGB	197, 217, 215
RGB Percent	77%, 85%, 84%
CMY	0.2273, 0.1490, 0.1570
CMYK	0.09, 0.00, 0.01, 0.15
HSL	174°, 21%, 81%
HSV	174°, 9%, 85%
XYZ	60.1088, 66.4023, 73.9184
YIQ	210.7920, -11.2780, -4.8620

Conversions

Conversions Part 2

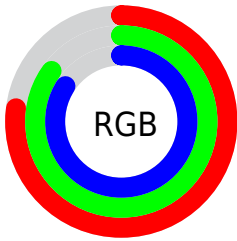
Format	Color
RYB	197, 208, 217
Decimal	12966359
CIELab	85.20, -7.03, -1.29
CIELCh	85, 7.153, 190.404
Yxy	66.4023, 0.2999, 0.3313
Android (android.graphics.Color)	4291156439 (0xFFC5D9D7)
YUV	210.7920, 2.0745, -12.0956
Hunter-Lab	81.4876, -10.9339, 3.2586

Details

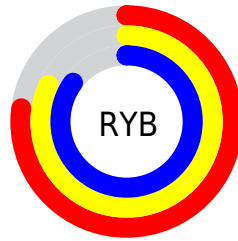
The Yxy color **66.4023, 0.2999, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.8286, 0.3272, 0.3267**, and the grayscale version is **64.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **34.2184, 0.2968, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **63.5703, 0.2866, 0.3340**, and if you desaturate by 10%, it is **69.6631, 0.3139, 0.3288**.

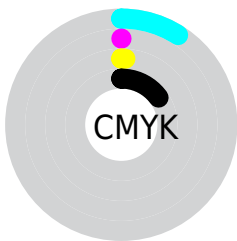
Distribution



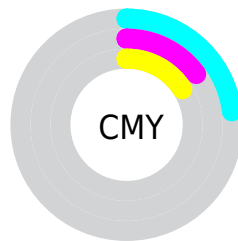
- Red (77%)
- Green (85%)
- Blue (84%)



- Red (77%)
- Yellow (82%)
- Blue (85%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (23%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4023, 0.2999, 0.3313 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 66.4023, 0.2999, 0.3313 by changing the saturation by 10% instead.

■ 66.4023, 0.2999,
0.3313

■ 66.4023, 0.2999,
0.3313

447.8143, 0.3059,
0.3302

■ 48.5991, 0.2985,
0.3315

114.0635, 0.3020,
0.3309

■ 34.3015, 0.2968,
0.3318

144.6903, 0.3028,
0.3308

■ 23.1253, 0.2945,
0.3322

180.3604, 0.3035,
0.3307

■ 14.6861, 0.2916,
0.3327

221.4582, 0.3041,
0.3306

■ 8.5994, 0.2875,
0.3334

268.3681, 0.3047,
0.3305

■ 4.4808, 0.2815,
0.3343

321.4745, 0.3051,

■ 1.9460, 0.2716,

0.3304

381.1617, 0.3055,
0.3303

0.3358

0.5758, 0.2251,
0.3451

0.0000, 0.0000,
0.0000

66.4023, 0.2999,
0.3313

66.4023, 0.2999,
0.3313

63.5703, 0.2866,
0.3340

69.6631, 0.3139,
0.3288

61.1407, 0.2743,
0.3370

73.3613, 0.3282,
0.3266


59.0972, 0.2633,
0.3401

76.1361, 0.3374,
0.3245

57.4189, 0.2538,
0.3434

76.2548, 0.3359,
0.3223

 56.0832, 0.2460,
0.3469


 76.3750, 0.3343,
0.3201

 55.0647, 0.2402,
0.3503

 76.4967, 0.3328,
0.3179

 54.3347, 0.2362,
0.3539

 76.6200, 0.3312,
0.3157

 53.8590, 0.2342,
0.3573

 76.7449, 0.3297,
0.3135

 53.5823, 0.2337,
0.3608

 76.8713, 0.3281,
0.3113

Harmonies

Analogous

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



66.4023, 0.3073, 0.3388



66.4023, 0.2999, 0.3313



66.4023, 0.2959, 0.3233

Triad

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



66.4023, 0.2999, 0.3313



66.4023, 0.3090, 0.3149



66.4023, 0.3294, 0.3409

Complementary

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



66.4023, 0.2999, 0.3313



58.8286, 0.3272, 0.3267

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.



66.4023, 0.3298, 0.3344



66.4023, 0.2999, 0.3313



66.4023, 0.3180, 0.3195

Square

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



66.4023, 0.2999, 0.3313



66.4023, 0.3011, 0.3140



66.4023, 0.3257, 0.3266



66.4023, 0.3244, 0.3443

Rectangle

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



66.4023, 0.2999, 0.3313



66.4023, 0.2957, 0.3188



66.4023, 0.3257, 0.3266



66.4023, 0.3301, 0.3390

Sweetspot

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



66.4051, 0.2999, 0.3313



98.5279, 0.3084, 0.3297



65.8502, 0.3133, 0.3524



21.0069, 0.3073, 0.3299



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.



66.4051, 0.2999, 0.3313



94.8807, 0.2973, 0.3318



62.6568, 0.2986, 0.3201



14.8056, 0.2996, 0.3314



32.4340, 0.2335, 0.3606



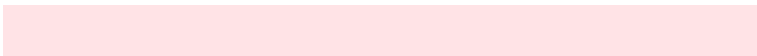
2.1080, 0.2319, 0.3549

Inverse Universe

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



58.8286, 0.3272, 0.3267



81.8727, 0.3305, 0.3262



62.2991, 0.3278, 0.3378



13.0729, 0.3276, 0.3267



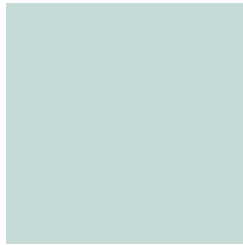
8.9723, 0.6276, 0.3231



0.5887, 0.5967, 0.3061

Previews

White Background



This preview shows how the Yxy color 66.4023, 0.2999, 0.3313 looks on a white background.

Color Contrast Check

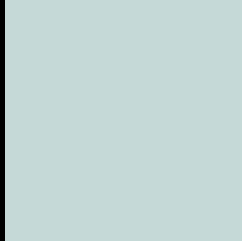
Large Text (above 18pt) WCAG AA × Fail

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 66.4023, 0.2999, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

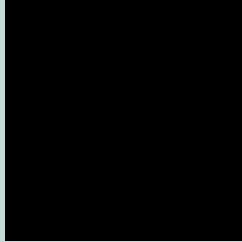
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

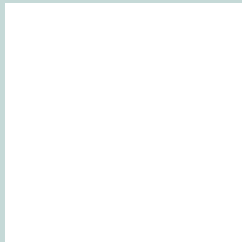
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.4023, 0.2999, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 66.4023, 0.2999, 0.3313.

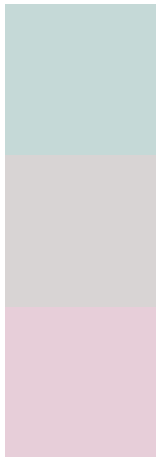


This preview shows how white text looks on a background with the Yxy color 66.4023, 0.2999, 0.3313.

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

66.4023, 0.2999, 0.3313

Protanopia

66.4394, 0.3157, 0.3290

Deuteranopia

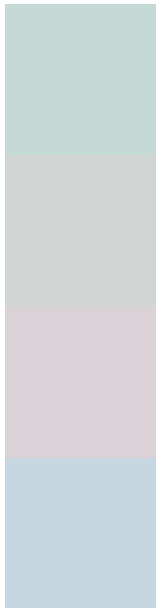
66.1413, 0.3239, 0.3172



Tritanopia

66.1420, 0.2917, 0.3098

Trichromacy



Original Color

66.4023, 0.2999, 0.3313

Protanomaly

66.4525, 0.3098, 0.3301

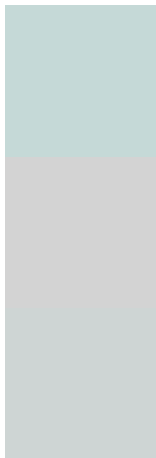
Deuteranomaly

66.1111, 0.3153, 0.3224

Tritanomaly

66.1792, 0.2948, 0.3176

Monochromacy



Original Color

66.4023, 0.2999, 0.3313

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.4638, 0.3083, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4023, 0.2999, 0.3313 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, 217, 215)` looks like.

```
.text, #text, p{  
    color:rgb(197, 217, 215)  
}
```

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, 217, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 217, 215) }
```

Border

The CSS property to change the border of an element to Yxy 66.4023, 0.2999, 0.3313 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, 217, 215) }
```

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

```
.border{ border-color:rgb(197, 217, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 217, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 217, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 217, 215);  
box-shadow:4px 4px 4px 4px rgb(197, 217,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4023, 0.2999, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 217, 215) }
```

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

```
.background{ background-color: rgb(197,  
217, 215) }
```

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