

Converting Colors

$Yxy(64.7700, 0.3119, 0.3394)$

Have a look what the booklet for
Yxy(64.7700, 0.3119, 0.3394)
contains.

Yxy(64.7855, 0.3122, 0.3394)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.7855, 0.3122, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	CCD5CC
RGB	204, 213, 204
RGB Percent	80%, 84%, 80%
CMY	0.2001, 0.1647, 0.1999
CMYK	0.04, 0.00, 0.04, 0.16
HSL	120°, 10%, 82%
HSV	120°, 4%, 84%
XYZ	59.5935, 64.7855, 66.5034
YIQ	209.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

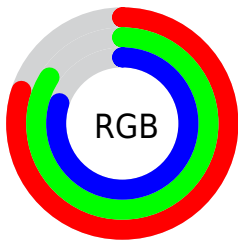
Format	Color
RYB	204, 213, 213
Decimal	13424076
CIELab	84.37, -4.70, 3.37
CIELCh	84, 5.777, 144.362
Yxy	64.7855, 0.3122, 0.3394
Android (android.graphics.Color)	4291614156 (0xFFCCD5CC)
YUV	209.2830, -2.6045, -4.6332
Hunter-Lab	80.4894, -8.6971, 7.3550

Details

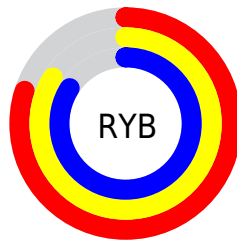
The Yxy color **64.7855, 0.3122, 0.3394** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1278, 0.3132, 0.3188**, and the grayscale version is **63.9741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1398, 0.3121, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **61.0320, 0.3109, 0.3664**, and if you desaturate by 10%, it is **69.0948, 0.3134, 0.3158**.

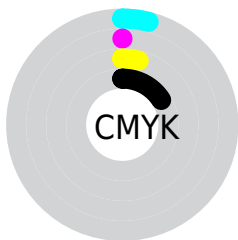
Distribution



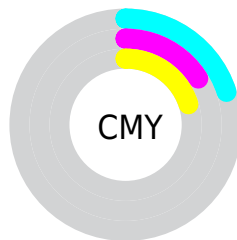
- Red (80%)
- Green (84%)
- Blue (80%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (20%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7855, 0.3122, 0.3394 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 64.7855, 0.3122, 0.3394 by changing the saturation by 10% instead.

■ 64.7855, 0.3122,
0.3394

■ 64.7855, 0.3122,
0.3394

442.0207, 0.3125,
0.3345

■ 47.2872, 0.3121,
0.3406

111.7414, 0.3123,
0.3377

■ 33.2627, 0.3120,
0.3420

141.9678, 0.3123,
0.3370

■ 22.3278, 0.3119,
0.3439

177.2056, 0.3124,
0.3364

■ 14.0980, 0.3118,
0.3464

217.8394, 0.3124,
0.3359

■ 8.1888, 0.3115,
0.3500

264.2533, 0.3124,
0.3355

■ 4.2160, 0.3112,
0.3554

316.8320, 0.3124,

■ 1.7951, 0.3104,

0.3351

0.3644

375.9596, 0.3125,
0.3348

0.4841, 0.3081,
0.4317

0.0000, 0.0000,
0.0000

64.7855, 0.3122,
0.3394

64.7855, 0.3122,
0.3394

61.0320, 0.3109,
0.3664

69.0948, 0.3134,
0.3158

57.8038, 0.3094,
0.3969

73.9724, 0.3144,
0.2955

55.0800, 0.3078,
0.4304

76.0726, 0.3146,
0.2881

52.8352, 0.3060,
0.4658

■ 51.0416, 0.3044,
0.5014

■ 49.6688, 0.3028,
0.5348

■ 48.6825, 0.3015,
0.5631

■ 48.0429, 0.3006,
0.5838

■ 47.7021, 0.3001,
0.5959

Harmonies

Analogous

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



64.7855, 0.3194, 0.3416



64.7855, 0.3122, 0.3394



64.7855, 0.3053, 0.3343

Triad

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



64.7855, 0.3122, 0.3394



64.7855, 0.3008, 0.3177



64.7855, 0.3253, 0.3300

Complementary

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



64.7855, 0.3122, 0.3394



62.1278, 0.3132, 0.3188

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.



64.7855, 0.3202, 0.3238



64.7855, 0.3122, 0.3394



64.7855, 0.3060, 0.3167

Square

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



64.7855, 0.3122, 0.3394



64.7855, 0.2987, 0.3217



64.7855, 0.3131, 0.3189



64.7855, 0.3270, 0.3361

Rectangle

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



64.7855, 0.3122, 0.3394



64.7855, 0.3017, 0.3300



64.7855, 0.3131, 0.3189



64.7855, 0.3239, 0.3279

Sweetspot

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



64.7883, 0.3122, 0.3394



99.3571, 0.3126, 0.3314



66.0987, 0.3189, 0.3393



21.2733, 0.3126, 0.3313



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.



64.7883, 0.3122, 0.3394



96.8706, 0.3121, 0.3415



65.0061, 0.3092, 0.3342



14.2179, 0.3120, 0.3430



29.0708, 0.2999, 0.5997



1.7537, 0.2997, 0.5988

Inverse Universe

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



62.1278, 0.3132, 0.3188



92.1297, 0.3133, 0.3168



61.9038, 0.3164, 0.3239



13.4392, 0.3134, 0.3154



11.5481, 0.3220, 0.1547



0.6968, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 64.7855, 0.3122, 0.3394 looks on a white background.

Color Contrast Check

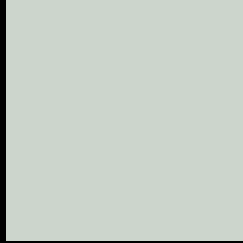
Large Text (above 18pt) WCAG AA × Fail

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 64.7855, 0.3122, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

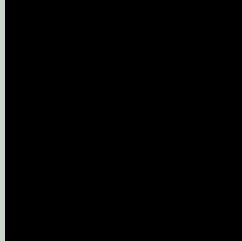
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

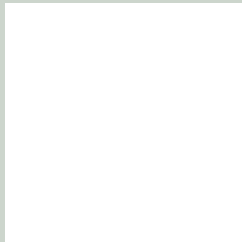
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7855, 0.3122, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 64.7855, 0.3122, 0.3394.

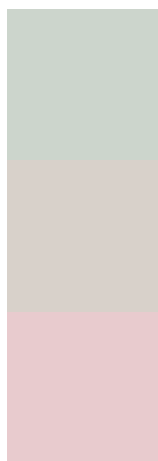


This preview shows how white text looks on a background with the Yxy color 64.7855, 0.3122, 0.3394.

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

64.7855, 0.3122, 0.3394

Protanopia

64.4641, 0.3229, 0.3370

Deuteranopia

64.3239, 0.3331, 0.3258



Tritanopia

64.8496, 0.2997, 0.3110

Trichromacy



Original Color

64.7855, 0.3122, 0.3394

Protanomaly

64.4020, 0.3191, 0.3370

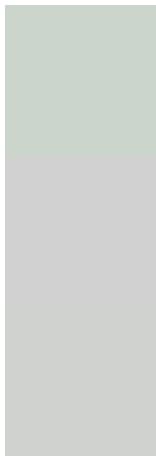
Deuteranomaly

64.5630, 0.3256, 0.3313

Tritanomaly

64.7723, 0.3043, 0.3210

Monochromacy



Original Color

64.7855, 0.3122, 0.3394

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.8636, 0.3126, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7855, 0.3122, 0.3394 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(204, 213, 204) looks like.

```
.text, #text, p{  
    color:rgb(204, 213, 204)  
}
```

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(204, 213, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 213, 204) }
```

Border

The CSS property to change the border of an element to Yxy 64.7855, 0.3122, 0.3394 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(204, 213, 204) }
```

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

```
.border{ border-color:rgb(204, 213, 204) }
```

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

Here you see how a box with a 4 pixel rgb(204, 213, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 213, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 213, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 213,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7855, 0.3122, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 213, 204) }
```

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

```
.background{ background-color: rgb(204,  
213, 204) }
```

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