

Converting Colors

Yxy(64.2901, 0.3177, 0.3505)

Have a look what the booklet for
Yxy(64.2901, 0.3177, 0.3505)
contains.

Yxy(64.2251, 0.3176, 0.3501)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.2251, 0.3176, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	CBD5C3
RGB	203, 213, 195
RGB Percent	80%, 84%, 76%
CMY	0.2041, 0.1646, 0.2353
CMYK	0.05, 0.00, 0.08, 0.16
HSL	94°, 18%, 80%
HSV	94°, 8%, 84%
XYZ	58.2630, 64.2251, 60.9597
YIQ	207.9580, -0.1820, -7.7180

Conversions

Conversions Part 2

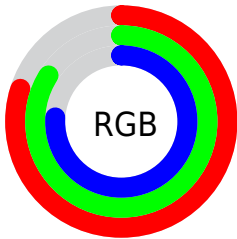
Format	Color
RYB	195, 213, 205
Decimal	13358531
CIELab	84.08, -6.65, 7.72
CIELCh	84, 10.190, 130.760
Yxy	64.2251, 0.3176, 0.3501
Android (android.graphics.Color)	4291548611 (0xFFCBD5C3)
YUV	207.9580, -6.3883, -4.3482
Hunter-Lab	80.1406, -10.4746, 10.9989

Details

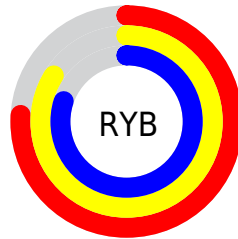
The Yxy color **64.2251, 0.3176, 0.3501** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8295, 0.3075, 0.3080**, and the grayscale version is **63.0871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **32.7664, 0.3193, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **61.7238, 0.3233, 0.3772**, and if you desaturate by 10%, it is **66.9979, 0.3118, 0.3253**.

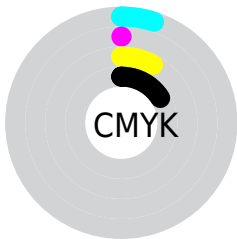
Distribution



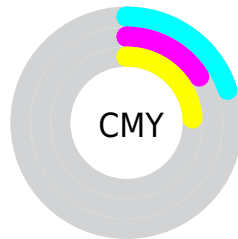
- Red (80%)
- Green (84%)
- Blue (76%)



- Red (76%)
- Yellow (84%)
- Blue (80%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)



- Cyan (20%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2251, 0.3176, 0.3501 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 64.2251, 0.3176, 0.3501 by changing the saturation by 10% instead.

■ 64.2251, 0.3176,
0.3501

■ 64.2251, 0.3176,
0.3501

440.0021, 0.3153,
0.3400

■ 46.8330, 0.3181,
0.3525

110.9351, 0.3168,
0.3465

■ 32.9037, 0.3187,
0.3555

141.0217, 0.3165,
0.3452

■ 22.0527, 0.3195,
0.3594

176.1087, 0.3163,
0.3440

■ 13.8956, 0.3206,
0.3647

216.5804, 0.3160,
0.3430

■ 8.0481, 0.3220,
0.3721

262.8211, 0.3158,
0.3421

■ 4.1257, 0.3239,
0.3834

315.2154, 0.3156,

■ 1.7441, 0.3268,

0.3413

0.4027

374.1476, 0.3155,
0.3406

0.4520, 0.3715,
0.6285

0.0000, 0.0000,
0.0000

64.2251, 0.3176,
0.3501

64.2251, 0.3176,
0.3501

61.7238, 0.3233,
0.3772

66.9979, 0.3118,
0.3253

59.4770, 0.3286,
0.4062

70.0421, 0.3061,
0.3029

57.4784, 0.3333,
0.4366

73.1136, 0.3032,
0.2866

55.7181, 0.3370,
0.4673

75.2520, 0.3115,
0.2877

■ 54.1856, 0.3392,
0.4971

■ 76.0781, 0.3146,
0.2881

■ 52.8694, 0.3396,
0.5242

■ 51.7568, 0.3380,
0.5470

■ 50.8332, 0.3343,
0.5644

■ 50.0783, 0.3291,
0.5760

Harmonies

Analogous

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



64.2251, 0.3293, 0.3511



64.2251, 0.3176, 0.3501



64.2251, 0.3048, 0.3431

Triad

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



64.2251, 0.3176, 0.3501



64.2251, 0.2893, 0.3116



64.2251, 0.3315, 0.3256

Complementary

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



64.2251, 0.3176, 0.3501



56.8295, 0.3075, 0.3080

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.



64.2251, 0.3204, 0.3155



64.2251, 0.3176, 0.3501



64.2251, 0.2961, 0.3074

Square

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



64.2251, 0.3176, 0.3501



64.2251, 0.2886, 0.3205



64.2251, 0.3075, 0.3090



64.2251, 0.3375, 0.3367

Rectangle

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



64.2251, 0.3176, 0.3501



64.2251, 0.2973, 0.3360



64.2251, 0.3075, 0.3090



64.2251, 0.3282, 0.3220

Sweetspot

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



64.2279, 0.3176, 0.3501



98.7147, 0.3145, 0.3364



61.7112, 0.3261, 0.3405



21.0568, 0.3149, 0.3384



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.



64.2279, 0.3176, 0.3501



95.8603, 0.3185, 0.3544



63.1828, 0.3111, 0.3494



14.1611, 0.3182, 0.3526



30.5778, 0.3293, 0.5767



1.8929, 0.3430, 0.5659

Inverse Universe

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



56.8295, 0.3075, 0.3080



82.7257, 0.3064, 0.3038



57.9425, 0.3143, 0.3094



12.3477, 0.3068, 0.3055



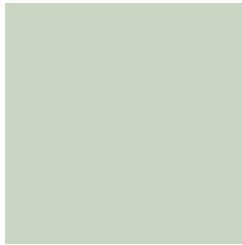
5.3962, 0.2149, 0.0957



0.3741, 0.2326, 0.1055

Previews

White Background



This preview shows how the Yxy color 64.2251, 0.3176, 0.3501 looks on a white background.

Color Contrast Check

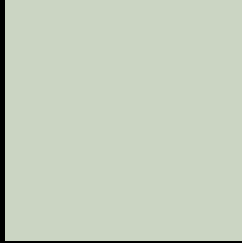
Large Text (above 18pt) WCAG AA × Fail

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 64.2251, 0.3176, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

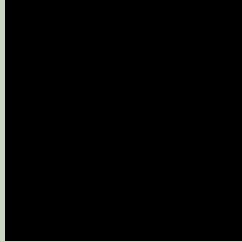
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

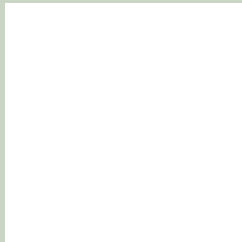
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2251, 0.3176, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 64.2251, 0.3176, 0.3501.



This preview shows how white text looks on a background with the Yxy color 64.2251, 0.3176, 0.3501.

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

64.2251, 0.3176, 0.3501

Protanopia

64.2029, 0.3302, 0.3473

Deuteranopia

63.7647, 0.3417, 0.3346



Tritanopia

64.4471, 0.3011, 0.3110

Trichromacy



Original Color

64.2251, 0.3176, 0.3501

Protanomaly

63.9853, 0.3255, 0.3475

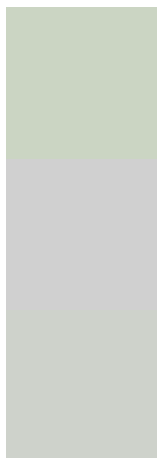
Deuteranomaly

63.8161, 0.3331, 0.3403

Tritanomaly

64.0700, 0.3070, 0.3244

Monochromacy



Original Color

64.2251, 0.3176, 0.3501

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.5268, 0.3146, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2251, 0.3176, 0.3501 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, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(203, 213, 195)  
}
```

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, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 213, 195) }
```

Border

The CSS property to change the border of an element to Yxy 64.2251, 0.3176, 0.3501 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, 213, 195) }
```

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

```
.border{ border-color:rgb(203, 213, 195) }
```

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

Here you see how a box with a 4 pixel rgb(203, 213, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 213, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 213, 195);  
box-shadow:4px 4px 4px 4px rgb(203, 213,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2251, 0.3176, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 213, 195) }
```

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

```
.background{ background-color: rgb(203,  
213, 195) }
```

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