

Converting Colors

$Y_{xy}(65.2140, 0.3500, 0.3676)$

Have a look what the booklet for
Yxy(65.2140, 0.3500, 0.3676)
contains.

Yxy(65.3571, 0.3503, 0.3684)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.3571, 0.3503, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	E2D2AF
RGB	226, 210, 175
RGB Percent	89%, 82%, 69%
CMY	0.1138, 0.1764, 0.3137
CMYK	0.00, 0.07, 0.23, 0.11
HSL	41°, 47%, 79%
HSV	41°, 23%, 89%
XYZ	62.1460, 65.3571, 49.9049
YIQ	210.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

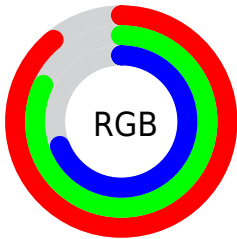
Format	Color
R_{YB}	198, 226, 175
Decimal	14865071
CIE _{Lab}	84.67, 0.06, 19.36
CIE _{LCh}	85, 19.362, 89.821
Yxy	65.3571, 0.3503, 0.3684
Android (android.graphics.Color)	4293055151 (0xFFE2D2AF)
YUV	210.7940, -17.6464, 13.3357
Hunter-Lab	80.8437, -4.2604, 19.9909

Details

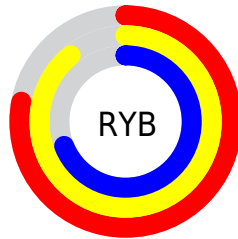
The Yxy color **65.3571, 0.3503, 0.3684** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.8641, 0.2761, 0.2862**, and the grayscale version is **65.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **33.7281, 0.3595, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **61.1242, 0.3693, 0.3865**, and if you desaturate by 10%, it is **69.8993, 0.3327, 0.3505**.

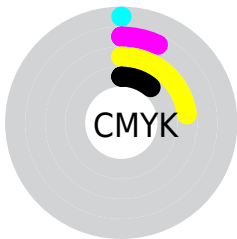
Distribution



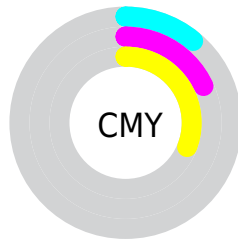
- Red (89%)
- Green (82%)
- Blue (69%)



- Red (78%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (11%)





- Cyan (11%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3571, 0.3503, 0.3684 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 65.3571, 0.3503, 0.3684 by changing the saturation by 10% instead.


 65.3571, 0.3503,
0.3684

 65.3571, 0.3503,
0.3684


444.0741, 0.3326,
0.3499

 47.7507, 0.3544,
0.3727


 112.5631, 0.3441,
0.3619

 33.6295, 0.3595,
0.3780


142.9315, 0.3417,
0.3594

 22.6091, 0.3659,
0.3848


178.3227, 0.3397,
0.3573

 14.3052, 0.3744,
0.3937

219.1210, 0.3379,
0.3554

 8.3332, 0.3860,
0.4057

265.7109, 0.3363,
0.3538

 4.3089, 0.4024,
0.4229

318.4768, 0.3349,

 1.8478, 0.4374,

0.3523

0.4596

377.8031, 0.3337,
0.3510

■ 0.5167, 0.4881,
0.5119

■ 0.0000, 0.0000,
0.0000

■ 65.3571, 0.3503,
0.3684

■ 65.3571, 0.3503,
0.3684

■ 61.1242, 0.3693,
0.3865

■ 69.8993, 0.3327,
0.3505

■ 57.1824, 0.3894,
0.4042

■ 74.7508, 0.3166,
0.3333

■ 53.5246, 0.4100,
0.4206

■ 79.9230, 0.3020,
0.3170

■ 50.1400, 0.4303,
0.4346

■ 84.7348, 0.2949,
0.3120

47.0165, 0.4495,
0.4451

88.9487, 0.2950,
0.3193

44.1406, 0.4664,
0.4511

93.3269, 0.2952,
0.3265

41.4964, 0.4804,
0.4520

94.9063, 0.2952,
0.3289

39.6601, 0.4890,
0.4499

Harmonies

Analogous

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



65.3571, 0.3604, 0.3547



65.3571, 0.3503, 0.3684



65.3571, 0.3302, 0.3716

Triad

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



65.3571, 0.3503, 0.3684



65.3571, 0.2702, 0.3200



65.3571, 0.3181, 0.2988

Complementary

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



65.3571, 0.3503, 0.3684



51.8641, 0.2761, 0.2862

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.



65.3571, 0.2941, 0.2897



65.3571, 0.3503, 0.3684



65.3571, 0.2672, 0.3009

Square

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



65.3571, 0.3503, 0.3684



65.3571, 0.2842, 0.3429



65.3571, 0.2757, 0.2902



65.3571, 0.3414, 0.3151

Rectangle

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



65.3571, 0.3503, 0.3684



65.3571, 0.3141, 0.3667



65.3571, 0.2757, 0.2902



65.3571, 0.3098, 0.2948

Sweetspot

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



65.3600, 0.3503, 0.3684



95.3853, 0.3236, 0.3409



50.6012, 0.3445, 0.3106



20.3333, 0.3246, 0.3419



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.



65.3600, 0.3503, 0.3684



83.3275, 0.3589, 0.3768



72.1769, 0.3397, 0.3864



15.2669, 0.3275, 0.3450



22.8508, 0.4876, 0.4510



1.7418, 0.4746, 0.4614

Inverse Universe

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



51.8641, 0.2761, 0.2862



62.6581, 0.2680, 0.2761



46.3916, 0.2817, 0.2672



13.9408, 0.2981, 0.3124



5.8791, 0.1621, 0.1035



0.5641, 0.1707, 0.1344

Previews

White Background



This preview shows how the Yxy color 65.3571, 0.3503, 0.3684 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 65.3571, 0.3503, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

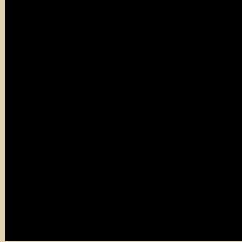
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

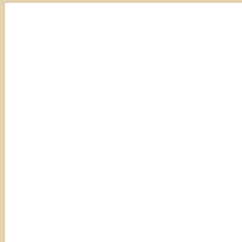
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3571, 0.3503, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 65.3571, 0.3503, 0.3684.



This preview shows how white text looks on a background with the Yxy color 65.3571, 0.3503, 0.3684.

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

65.3571, 0.3503, 0.3684

Protanopia

65.3717, 0.3477, 0.3698

Deuteranopia

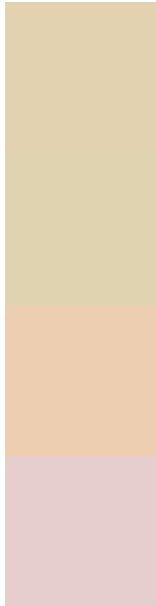
65.0796, 0.3660, 0.3581



Tritanopia

65.5088, 0.3227, 0.3118

Trichromacy



Original Color

65.3571, 0.3503, 0.3684

Protanomaly

65.5310, 0.3485, 0.3697

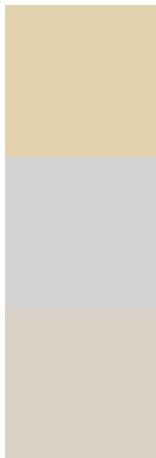
Deuteranomaly

65.2817, 0.3594, 0.3619

Tritanomaly

65.3252, 0.3327, 0.3313

Monochromacy



Original Color

65.3571, 0.3503, 0.3684

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.2647, 0.3256, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3571, 0.3503, 0.3684 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(226, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(226, 210, 175)  
}
```

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(226, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 210, 175) }
```

Border

The CSS property to change the border of an element to Yxy 65.3571, 0.3503, 0.3684 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(226, 210, 175) }
```

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

```
.border{ border-color:rgb(226, 210, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 210, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 210, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 210, 175); box-shadow:4px 4px 4px 4px rgb(226, 210, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3571, 0.3503, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 210, 175) }
```

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

```
.background{ background-color: rgb(226,  
210, 175) }
```

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