

Converting Colors

$Yxy(66.6557, 0.3614, 0.3871)$

Have a look what the booklet for
Yxy(66.6557, 0.3614, 0.3871)
contains.

Yxy(66.6557, 0.3614, 0.3871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6557, 0.3614, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	E4D5A1
RGB	228, 213, 161
RGB Percent	89%, 84%, 63%
CMY	0.1058, 0.1647, 0.3686
CMYK	0.00, 0.07, 0.29, 0.11
HSL	47°, 55%, 76%
HSV	47°, 29%, 89%
XYZ	62.2304, 66.6557, 43.3064
YIQ	211.5570, 25.6320, -12.9920

Conversions

Conversions Part 2

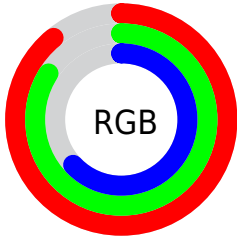
Format	Color
RYB	180, 228, 161
Decimal	14996897
CIELab	85.33, -2.60, 27.62
CIELCh	85, 27.746, 95.373
Yxy	66.6557, 0.3614, 0.3871
Android (android.graphics.Color)	4293186977 (0xFFE4D5A1)
YUV	211.5570, -24.9246, 14.4205
Hunter-Lab	81.6429, -6.8179, 25.7005

Details

The Yxy color **66.6557, 0.3614, 0.3871** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.2496, 0.2632, 0.2632**, and the grayscale version is **65.6891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **34.3285, 0.3732, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **63.3928, 0.3796, 0.4070**, and if you desaturate by 10%, it is **70.1526, 0.3438, 0.3669**.

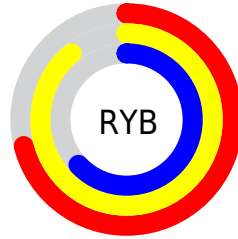
Distribution



Red (89%)

Green (84%)

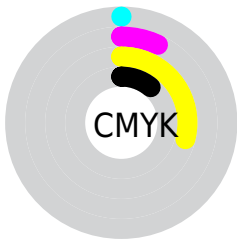
Blue (63%)



Red (71%)

Yellow (89%)

Blue (63%)

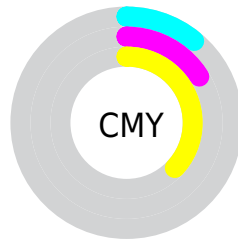


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (11%)



Cyan (11%)


Magenta (16%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6557, 0.3614, 0.3871 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 66.6557, 0.3614, 0.3871 by changing the saturation by 10% instead.

 66.6557, 0.3614,
0.3871


 66.6557, 0.3614,
0.3871


448.7182, 0.3388,
0.3598

 48.8049, 0.3665,
0.3934

 114.4269, 0.3536,
0.3776

 34.4647, 0.3728,
0.4011


 145.1161, 0.3505,
0.3739

 23.2508, 0.3807,
0.4108


180.8536, 0.3479,
0.3707

 14.7788, 0.3907,
0.4234

222.0236, 0.3456,
0.3680

 8.6643, 0.4038,
0.4402

269.0107, 0.3436,
0.3656

 4.5229, 0.4212,
0.4631

322.1993, 0.3418,

 1.9701, 0.4728,

0.3634

0.5272

381.9737, 0.3402,
0.3615

■ 0.5900, 0.4574,
0.5426

■ 0.0000, 0.0000,
0.0000

■ 66.6557, 0.3614,
0.3871

■ 66.6557, 0.3614,
0.3871

■ 63.3928, 0.3796,
0.4070

■ 70.1526, 0.3438,
0.3669

■ 60.3460, 0.3980,
0.4256

■ 73.8825, 0.3272,
0.3470

■ 57.5089, 0.4157,
0.4420

■ 77.8561, 0.3118,
0.3279

■ 54.8711, 0.4319,
0.4552

■ 82.0805, 0.2977,
0.3098

■ 52.4206, 0.4460,
0.4641

■ 85.2048, 0.2962,
0.3123

■ 50.1436, 0.4573,
0.4683

■ 88.2362, 0.2963,
0.3176

■ 48.0179, 0.4657,
0.4681

■ 91.3531, 0.2963,
0.3228

■ 47.8922, 0.4662,
0.4680

■ 94.5560, 0.2964,
0.3279

■ 95.2395, 0.2964,
0.3290

Harmonies

Analogous

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



66.6557, 0.3793, 0.3690



66.6557, 0.3614, 0.3871



66.6557, 0.3308, 0.3895

Triad

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



66.6557, 0.3614, 0.3871



66.6557, 0.2510, 0.3098



66.6557, 0.3266, 0.2903

Complementary

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



66.6557, 0.3614, 0.3871



44.2496, 0.2632, 0.2632

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.



66.6557, 0.2919, 0.2756



66.6557, 0.3614, 0.3871



66.6557, 0.2499, 0.2850

Square

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



66.6557, 0.3614, 0.3871



66.6557, 0.2676, 0.3425



66.6557, 0.2644, 0.2733



66.6557, 0.3589, 0.3141

Rectangle

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



66.6557, 0.3614, 0.3871



66.6557, 0.3078, 0.3804



66.6557, 0.2644, 0.2733



66.6557, 0.3148, 0.2842

Sweetspot

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



66.6587, 0.3614, 0.3871



95.3675, 0.3267, 0.3463



45.1518, 0.3627, 0.3111



20.2575, 0.3290, 0.3492



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.



66.6587, 0.3614, 0.3871



83.4063, 0.3720, 0.3988



71.8038, 0.3436, 0.4057



16.2398, 0.3273, 0.3471



27.8306, 0.4653, 0.4687



2.1917, 0.4573, 0.4751

Inverse Universe

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



44.2496, 0.2632, 0.2632



50.3231, 0.2522, 0.2477



40.6649, 0.2749, 0.2467



14.4090, 0.2980, 0.3102



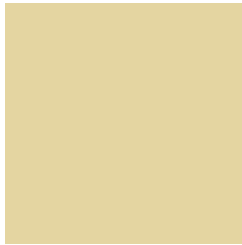
4.7554, 0.1568, 0.0843



0.4887, 0.1642, 0.1111

Previews

White Background



This preview shows how the Yxy color 66.6557, 0.3614, 0.3871 looks on a white background.

Color Contrast Check

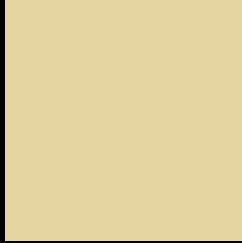
Large Text (above 18pt) WCAG AA × Fail

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 66.6557, 0.3614, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

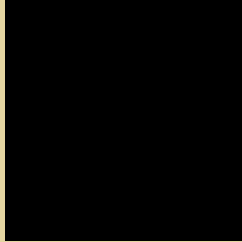
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

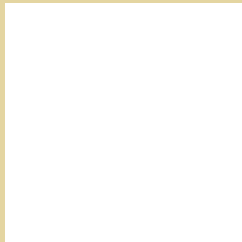
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6557, 0.3614, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 66.6557, 0.3614, 0.3871.

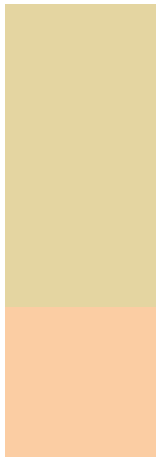


This preview shows how white text looks on a background with the Yxy color 66.6557, 0.3614, 0.3871.

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

66.6557, 0.3614, 0.3871

Protanopia

66.6557, 0.3614, 0.3871

Deuteranopia

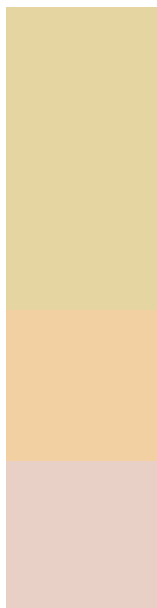
66.8162, 0.3812, 0.3733



Tritanopia

66.5453, 0.3242, 0.3120

Trichromacy



Original Color

66.6557, 0.3614, 0.3871

Protanomaly

66.6557, 0.3614, 0.3871

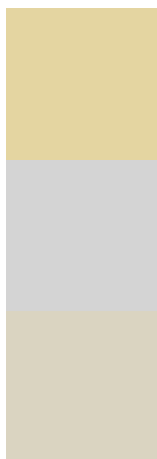
Deuteranomaly

66.7751, 0.3744, 0.3785

Tritanomaly

66.3911, 0.3376, 0.3389

Monochromacy



Original Color

66.6557, 0.3614, 0.3871

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.8426, 0.3306, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6557, 0.3614, 0.3871 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(228, 213, 161)` looks like.

```
.text, #text, p{  
    color:rgb(228, 213, 161)  
}
```

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(228, 213, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 213, 161) }
```

Border

The CSS property to change the border of an element to Yxy 66.6557, 0.3614, 0.3871 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(228, 213, 161) }
```

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

```
.border{ border-color:rgb(228, 213, 161) }
```

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

Here you see how a box with a 4 pixel rgb(228, 213, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 213, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 213, 161);  
box-shadow:4px 4px 4px 4px rgb(228, 213,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6557, 0.3614, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 213, 161) }
```

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

```
.background{ background-color: rgb(228,  
213, 161) }
```

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