

Converting Colors

$Y_{xy}(63.6095, 0.3572, 0.3707)$

Have a look what the booklet for
Yxy(63.6095, 0.3572, 0.3707)
contains.

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Color

Yxy(63.5012, 0.3574, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	E4CEA9
RGB	228, 206, 169
RGB Percent	89%, 81%, 66%
CMY	0.1060, 0.1921, 0.3372
CMYK	0.00, 0.10, 0.26, 0.11
HSL	38°, 52%, 78%
HSV	38°, 26%, 89%
XYZ	61.2229, 63.5012, 46.5767
YIQ	208.3600, 24.9890, -6.8430

Conversions

Conversions Part 2

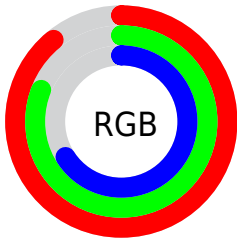
Format	Color
R_{YB}	204, 228, 169
Decimal	14995113
CIE _{Lab}	83.71, 2.05, 21.21
CIE _{LCh}	84, 21.309, 84.485
Y _{xy}	63.5012, 0.3574, 0.3707
Android (android.graphics.Color)	4293185193 (0xFFE4CEA9)
YUV	208.3600, -19.4045, 17.2243
Hunter-Lab	79.6876, -2.3143, 21.1269

Details

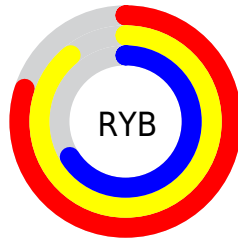
The Yxy color **63.5012, 0.3574, 0.3707** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.2917, 0.2707, 0.2834**, and the grayscale version is **63.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **32.5115, 0.3682, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **58.7415, 0.3778, 0.3874**, and if you desaturate by 10%, it is **68.6369, 0.3387, 0.3541**.

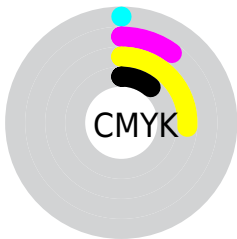
Distribution



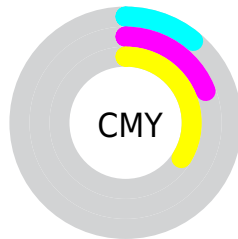
- Red (89%)
- Green (81%)
- Blue (66%)



- Red (80%)
- Yellow (89%)
- Blue (66%)



- Cyan (0%)
- Magenta (10%)
- Yellow (26%)
- Black (11%)




- Cyan (11%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5012, 0.3574, 0.3707 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 63.5012, 0.3574, 0.3707 by changing the saturation by 10% instead.


 63.5012, 0.3574,
0.3707

 63.5012, 0.3574,
0.3707

437.3862, 0.3362,
0.3511

 46.2468, 0.3623,
0.3752

 109.8923, 0.3500,
0.3639

 32.4406, 0.3685,
0.3808

139.7977, 0.3471,
0.3612

 21.6983, 0.3763,
0.3879


174.6890, 0.3447,
0.3589

 13.6354, 0.3865,
0.3971

214.9504, 0.3425,
0.3570

 7.8675, 0.4005,
0.4095

260.9665, 0.3407,
0.3552

 4.0103, 0.4204,
0.4268

313.1215, 0.3390,

 1.6793, 0.4752,

0.3537

0.4768

371.8000, 0.3375,
0.3523

■ 0.4102, 0.5175,
0.4825

■ 0.0000, 0.0000,
0.0000

■ 63.5012, 0.3574,
0.3707

■ 63.5012, 0.3574,
0.3707

■ 58.7415, 0.3778,
0.3874

■ 68.6369, 0.3387,
0.3541

■ 54.3379, 0.3995,
0.4035

■ 74.1506, 0.3218,
0.3380

■ 50.2814, 0.4219,
0.4180

■ 80.0551, 0.3067,
0.3228

■ 46.5590, 0.4443,
0.4299

■ 86.0197, 0.2962,
0.3138

■ 43.1564, 0.4654,
0.4379

■ 91.1371, 0.2963,
0.3224

■ 40.0575, 0.4842,
0.4410

■ 95.2296, 0.2964,
0.3290

■ 37.2432, 0.4996,
0.4388

■ 36.1494, 0.5054,
0.4369

Harmonies

Analogous

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



63.5012, 0.3662, 0.3538



63.5012, 0.3574, 0.3707



63.5012, 0.3366, 0.3769

Triad

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



63.5012, 0.3574, 0.3707



63.5012, 0.2676, 0.3233



63.5012, 0.3137, 0.2931

Complementary

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



63.5012, 0.3574, 0.3707



51.2917, 0.2707, 0.2834

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.



63.5012, 0.2878, 0.2848



63.5012, 0.3574, 0.3707



63.5012, 0.2620, 0.3009

Square

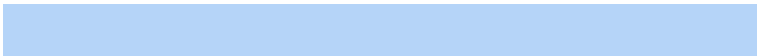
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5012, 0.3574, 0.3707



63.5012, 0.2848, 0.3488



63.5012, 0.2692, 0.2873



63.5012, 0.3404, 0.3099

Rectangle

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



63.5012, 0.3574, 0.3707



63.5012, 0.3190, 0.3732



63.5012, 0.2692, 0.2873



63.5012, 0.3046, 0.2893

Sweetspot

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



63.5041, 0.3574, 0.3707



94.0019, 0.3253, 0.3415



48.6630, 0.3469, 0.3033



19.8866, 0.3278, 0.3439



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.



63.5041, 0.3574, 0.3707



78.5423, 0.3681, 0.3796



73.7248, 0.3465, 0.3946



15.8674, 0.3277, 0.3437



21.1138, 0.5037, 0.4382



1.7369, 0.4882, 0.4506

Inverse Universe

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



51.2917, 0.2707, 0.2834



60.2973, 0.2614, 0.2724



43.2029, 0.2733, 0.2563



14.7623, 0.2981, 0.3138



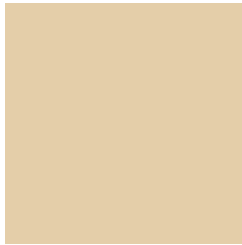
7.1889, 0.1664, 0.1188



0.7047, 0.1745, 0.1481

Previews

White Background



This preview shows how the Yxy color 63.5012, 0.3574, 0.3707 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 63.5012, 0.3574, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

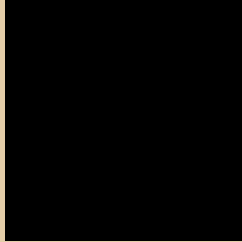
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5012, 0.3574, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 63.5012, 0.3574, 0.3707.



This preview shows how white text looks on a background with the Yxy color 63.5012, 0.3574, 0.3707.

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

63.5012, 0.3574, 0.3707

Protanopia

63.3862, 0.3505, 0.3726

Deuteranopia

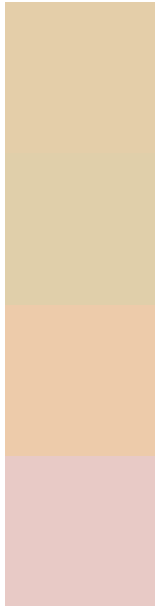
63.5528, 0.3696, 0.3628



Tritanopia

63.7073, 0.3283, 0.3129

Trichromacy



Original Color

63.5012, 0.3574, 0.3707

Protanomaly

63.3752, 0.3532, 0.3711

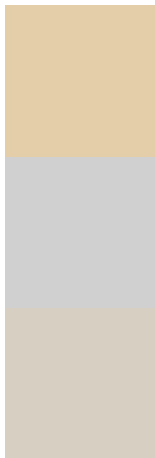
Deuteranomaly

63.6187, 0.3649, 0.3654

Tritanomaly

63.4741, 0.3394, 0.3335

Monochromacy



Original Color

63.5012, 0.3574, 0.3707

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

62.9678, 0.3282, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5012, 0.3574, 0.3707 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, 206, 169)` looks like.

```
.text, #text, p{  
    color:rgb(228, 206, 169)  
}
```

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, 206, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 206, 169) }
```

Border

The CSS property to change the border of an element to Yxy 63.5012, 0.3574, 0.3707 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, 206, 169) }
```

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

```
.border{ border-color:rgb(228, 206, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 206, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 206, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 206, 169);  
box-shadow:4px 4px 4px 4px rgb(228, 206,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5012, 0.3574, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 206, 169) }
```

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

```
.background{ background-color: rgb(228,  
206, 169) }
```

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](#).

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