

Converting Colors

$Yxy(64.5725, 0.3605, 0.3873)$

Have a look what the booklet for
Yxy(64.5725, 0.3605, 0.3873)
contains.

Yxy(64.4437, 0.3605, 0.3869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4437, 0.3605, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	E0D29F
RGB	224, 210, 159
RGB Percent	88%, 82%, 62%
CMY	0.1215, 0.1765, 0.3765
CMYK	0.00, 0.06, 0.29, 0.12
HSL	47°, 51%, 75%
HSV	47°, 29%, 88%
XYZ	60.0464, 64.4437, 42.0741
YIQ	208.3720, 24.7150, -12.8930

Conversions

Conversions Part 2

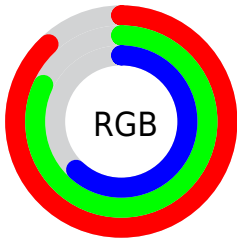
Format	Color
RYB	177, 224, 159
Decimal	14733983
CIELab	84.20, -2.85, 27.08
CIElCh	84, 27.228, 96.012
Yxy	64.4437, 0.3605, 0.3869
Android (android.graphics.Color)	4292924063 (0xFFE0D29F)
YUV	208.3720, -24.3404, 13.7058
Hunter-Lab	80.2768, -6.9679, 25.1191

Details

The Yxy color **64.4437, 0.3605, 0.3869** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.6413, 0.2638, 0.2635**, and the grayscale version is **63.4816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **33.1633, 0.3718, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **61.3912, 0.3785, 0.4070**, and if you desaturate by 10%, it is **67.7149, 0.3431, 0.3665**.

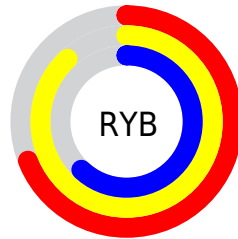
Distribution



Red (88%)

Green (82%)

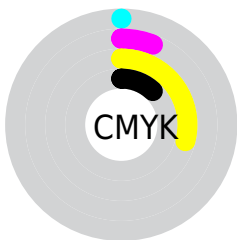
Blue (62%)



Red (69%)

Yellow (88%)

Blue (62%)

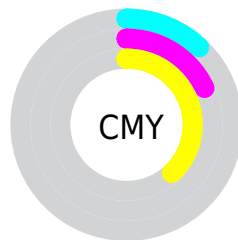


Cyan (0%)

Magenta (6%)

Yellow (29%)

Black (12%)



Cyan (12%)


Magenta (18%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4437, 0.3605, 0.3869 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 64.4437, 0.3605, 0.3869 by changing the saturation by 10% instead.


 64.4437, 0.3605,
0.3869


 64.4437, 0.3605,
0.3869


440.7902, 0.3382,
0.3595

 47.0101, 0.3656,
0.3932

 111.2497, 0.3527,
0.3773

 33.0437, 0.3718,
0.4011


 141.3909, 0.3497,
0.3736

 22.1599, 0.3797,
0.4110


176.5368, 0.3471,
0.3704

 13.9744, 0.3898,
0.4239

217.0718, 0.3449,
0.3677

 8.1029, 0.4030,
0.4412

263.3802, 0.3429,
0.3653

 4.1609, 0.4205,
0.4650

315.8465, 0.3411,

 1.7639, 0.4707,

0.3631

0.5293

374.8550, 0.3396,
0.3612

0.4646, 0.4446,
0.5554

0.0000, 0.0000,
0.0000

64.4437, 0.3605,
0.3869

64.4437, 0.3605,
0.3869

61.3912, 0.3785,
0.4070

67.7149, 0.3431,
0.3665

58.5402, 0.3966,
0.4258

71.2035, 0.3266,
0.3464

55.8848, 0.4141,
0.4425

74.9198, 0.3113,
0.3272

53.4151, 0.4301,
0.4559

78.8705, 0.2973,
0.3090

■ 51.1199, 0.4440,
0.4652

■ 81.9880, 0.2936,
0.3076

■ 48.9859, 0.4550,
0.4697

■ 84.7751, 0.2937,
0.3126

■ 46.9930, 0.4632,
0.4699

■ 87.6376, 0.2938,
0.3176

■ 46.8028, 0.4640,
0.4698

■ 90.5761, 0.2939,
0.3225

■ 93.5912, 0.2940,
0.3274

Harmonies

Analogous

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



64.4437, 0.3786, 0.3692



64.4437, 0.3605, 0.3869



64.4437, 0.3300, 0.3888

Triad

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



64.4437, 0.3605, 0.3869



64.4437, 0.2513, 0.3093



64.4437, 0.3272, 0.2910

Complementary

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



64.4437, 0.3605, 0.3869



42.6413, 0.2638, 0.2635

Split Complementary

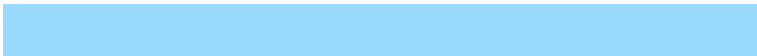
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.4437, 0.2928, 0.2762



64.4437, 0.3605, 0.3869



64.4437, 0.2505, 0.2849

Square

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



64.4437, 0.3605, 0.3869



64.4437, 0.2675, 0.3417



64.4437, 0.2653, 0.2736



64.4437, 0.3591, 0.3148

Rectangle

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



64.4437, 0.3605, 0.3869



64.4437, 0.3071, 0.3795



64.4437, 0.2653, 0.2736



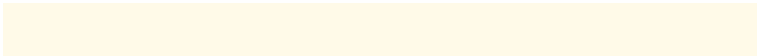
64.4437, 0.3155, 0.2849

Sweetspot

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



64.4466, 0.3605, 0.3869



95.4953, 0.3266, 0.3465



43.6650, 0.3629, 0.3126



20.2891, 0.3290, 0.3494



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.



64.4466, 0.3605, 0.3869



83.8655, 0.3717, 0.3995



68.8810, 0.3423, 0.4048



15.5022, 0.3272, 0.3473



27.4154, 0.4631, 0.4705



2.0265, 0.4551, 0.4769

Inverse Universe

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



42.6413, 0.2638, 0.2635



49.9874, 0.2520, 0.2467



39.5748, 0.2764, 0.2481



13.7195, 0.2981, 0.3100



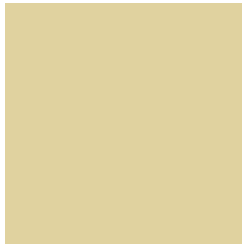
4.5125, 0.1563, 0.0828



0.4437, 0.1642, 0.1110

Previews

White Background



This preview shows how the Yxy color 64.4437, 0.3605, 0.3869 looks on a white background.

Color Contrast Check

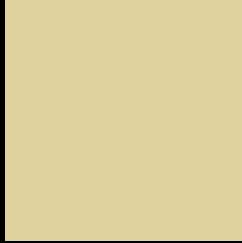
Large Text (above 18pt) WCAG AA × Fail

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 64.4437, 0.3605, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

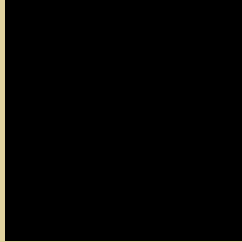
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

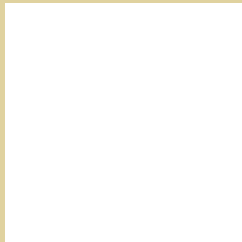
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4437, 0.3605, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 64.4437, 0.3605, 0.3869.



This preview shows how white text looks on a background with the Yxy color 64.4437, 0.3605, 0.3869.

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

64.4437, 0.3605, 0.3869

Protanopia

64.6039, 0.3613, 0.3867

Deuteranopia

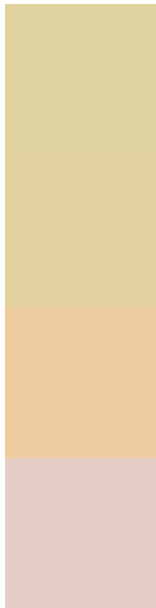
64.1207, 0.3809, 0.3719



Tritanopia

64.2919, 0.3235, 0.3117

Trichromacy



Original Color

64.4437, 0.3605, 0.3869

Protanomaly

64.6039, 0.3613, 0.3867

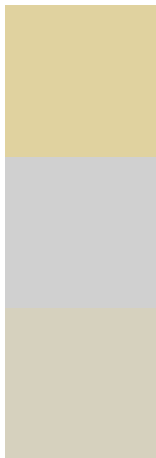
Deuteranomaly

64.0745, 0.3740, 0.3772

Tritanomaly

64.1878, 0.3365, 0.3379

Monochromacy



Original Color

64.4437, 0.3605, 0.3869

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.6148, 0.3300, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4437, 0.3605, 0.3869 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(224, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(224, 210, 159)  
}
```

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(224, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 210, 159) }
```

Border

The CSS property to change the border of an element to Yxy 64.4437, 0.3605, 0.3869 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(224, 210, 159) }
```

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

```
.border{ border-color:rgb(224, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 210, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 210, 159);  
box-shadow:4px 4px 4px 4px rgb(224, 210,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4437, 0.3605, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 210, 159) }
```

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

```
.background{ background-color: rgb(224,  
210, 159) }
```

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