

Converting Colors

$Y_{xy}(70.2721, 0.3453, 0.3702)$

Have a look what the booklet for
Yxy(70.2721, 0.3453, 0.3702)
contains.

Yxy(70.4932, 0.3456, 0.3710)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4932, 0.3456, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	E4DBB5
RGB	228, 219, 181
RGB Percent	89%, 86%, 71%
CMY	0.1058, 0.1412, 0.2903
CMYK	0.00, 0.04, 0.21, 0.11
HSL	49°, 47%, 80%
HSV	49°, 21%, 89%
XYZ	65.6670, 70.4932, 53.8484
YIQ	217.3590, 17.5620, -9.9100

Conversions

Conversions Part 2

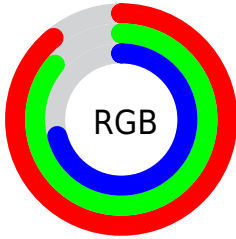
Format	Color
R _Y B	192, 228, 181
Decimal	14998453
CIE Lab	87.24, -2.97, 19.84
CIE LCh	87, 20.057, 98.529
Yxy	70.4932, 0.3456, 0.3710
Android (android.graphics.Color)	4293188533 (0xFFE4DBB5)
YUV	217.3590, -17.9250, 9.3322
Hunter-Lab	83.9602, -7.3220, 20.7461

Details

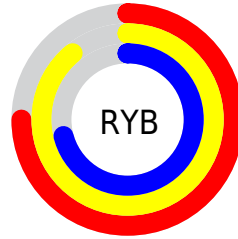
The Yxy color **70.4932, 0.3456, 0.3710** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.2421, 0.2790, 0.2832**, and the grayscale version is **69.7649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **36.8801, 0.3531, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **67.3877, 0.3629, 0.3920**, and if you desaturate by 10%, it is **73.8179, 0.3291, 0.3503**.

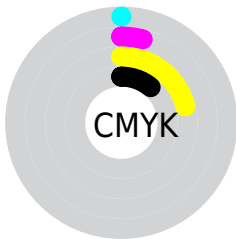
Distribution



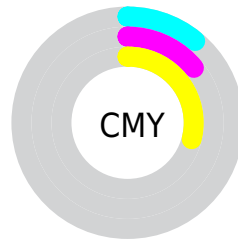
- Red (89%)
- Green (86%)
- Blue (71%)



- Red (75%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (11%)





- Cyan (11%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4932, 0.3456, 0.3710 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 70.4932, 0.3456, 0.3710 by changing the saturation by 10% instead.

 70.4932, 0.3456,
0.3710

 70.4932, 0.3456,
0.3710


462.2798, 0.3304,
0.3514

 51.9287, 0.3491,
0.3755


 119.9118, 0.3403,
0.3642

 36.9483, 0.3533,
0.3811


151.5348, 0.3383,
0.3615

 25.1674, 0.3586,
0.3882


188.2793, 0.3365,
0.3592

 16.2018, 0.3656,
0.3975

230.5298, 0.3350,
0.3572

 9.6671, 0.3748,
0.4101

278.6707, 0.3336,
0.3555

 5.1788, 0.3877,
0.4281

333.0865, 0.3324,

 2.3525, 0.4082,

0.3540

0.4574

394.1614, 0.3314,
0.3526

0.8013, 0.4623,
0.5377

0.0000, 0.0000,
0.0000

70.4932, 0.3456,
0.3710

70.4932, 0.3456,
0.3710

67.3877, 0.3629,
0.3920

73.8179, 0.3291,
0.3503

64.4840, 0.3806,
0.4124

77.3598, 0.3136,
0.3302

61.7769, 0.3981,
0.4314

81.1289, 0.2994,
0.3113

59.2569, 0.4147,
0.4480

83.9753, 0.2961,
0.3102

■ 56.9138, 0.4295,
0.4611

■ 86.5265, 0.2962,
0.3146

■ 54.7358, 0.4420,
0.4700

■ 89.1396, 0.2963,
0.3191

■ 52.7089, 0.4517,
0.4741

■ 91.8151, 0.2963,
0.3235

■ 50.9245, 0.4583,
0.4743

■ 94.5533, 0.2964,
0.3279

■ 95.2355, 0.2964,
0.3290

Harmonies

Analogous

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



70.4932, 0.3592, 0.3598



70.4932, 0.3456, 0.3710



70.4932, 0.3234, 0.3706

Triad

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



70.4932, 0.3456, 0.3710



70.4932, 0.2677, 0.3137



70.4932, 0.3254, 0.3026

Complementary

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



70.4932, 0.3456, 0.3710



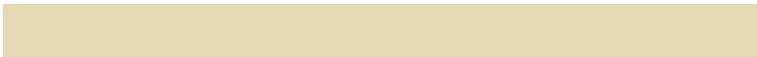
52.2421, 0.2790, 0.2832

Split Complementary

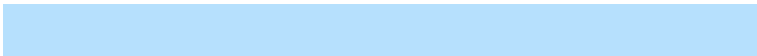
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4932, 0.3006, 0.2911



70.4932, 0.3456, 0.3710



70.4932, 0.2681, 0.2965

Square

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



70.4932, 0.3456, 0.3710



70.4932, 0.2788, 0.3363



70.4932, 0.2799, 0.2886



70.4932, 0.3474, 0.3207

Rectangle

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



70.4932, 0.3456, 0.3710



70.4932, 0.3070, 0.3633



70.4932, 0.2799, 0.2886



70.4932, 0.3171, 0.2979

Sweetspot

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



70.4963, 0.3456, 0.3710



97.1987, 0.3219, 0.3409



53.2686, 0.3458, 0.3184



20.7406, 0.3229, 0.3423



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.



70.4963, 0.3456, 0.3710



89.0110, 0.3534, 0.3805



73.1083, 0.3334, 0.3821



16.3235, 0.3272, 0.3479



29.5694, 0.4576, 0.4748



2.3060, 0.4510, 0.4801

Inverse Universe

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



52.2421, 0.2790, 0.2832



61.2560, 0.2707, 0.2716



50.2542, 0.2889, 0.2737



14.3315, 0.2980, 0.3094



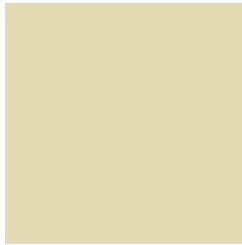
4.3885, 0.1552, 0.0786



0.4510, 0.1622, 0.1040

Previews

White Background



This preview shows how the Yxy color 70.4932, 0.3456, 0.3710 looks on a white background.

Color Contrast Check

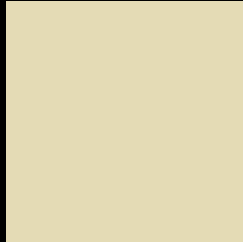
Large Text (above 18pt) WCAG AA × Fail

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 70.4932, 0.3456, 0.3710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

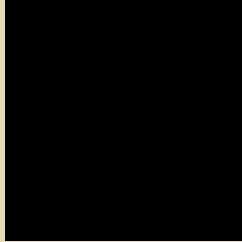
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

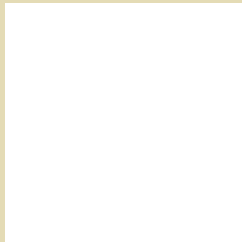
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4932, 0.3456, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 70.4932, 0.3456, 0.3710.



This preview shows how white text looks on a background with the Yxy color 70.4932, 0.3456, 0.3710.

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

70.4932, 0.3456, 0.3710

Protanopia

70.4679, 0.3481, 0.3696

Deuteranopia

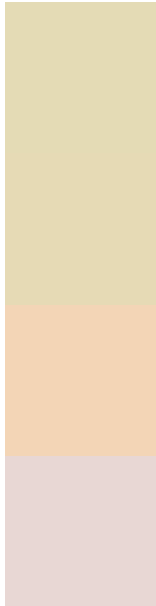
70.2075, 0.3651, 0.3573



Tritanopia

70.2365, 0.3172, 0.3111

Trichromacy



Original Color

70.4932, 0.3456, 0.3710

Protanomaly

70.3020, 0.3473, 0.3697

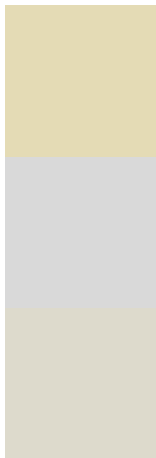
Deuteranomaly

70.0206, 0.3579, 0.3622

Tritanomaly

70.5101, 0.3273, 0.3323

Monochromacy



Original Color

70.4932, 0.3456, 0.3710

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.8746, 0.3244, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4932, 0.3456, 0.3710 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, 219, 181)` looks like.

```
.text, #text, p{  
    color:rgb(228, 219, 181)  
}
```

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, 219, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 219, 181) }
```

Border

The CSS property to change the border of an element to Yxy 70.4932, 0.3456, 0.3710 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, 219, 181) }
```

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

```
.border{ border-color:rgb(228, 219, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 219, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 219, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 219, 181); box-shadow:4px 4px 4px 4px rgb(228, 219, 181) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.4932, 0.3456, 0.3710$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 219, 181) }
```

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

```
.background{ background-color: rgb(228,  
219, 181) }
```

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