

Converting Colors

$Y_{xy}(75.5849, 0.3462, 0.3744)$

Have a look what the booklet for
Yxy(75.5849, 0.3462, 0.3744)
contains.

Yxy(75.3458, 0.3466, 0.3742)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.3458, 0.3466, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	EAE2B8
RGB	234, 226, 184
RGB Percent	92%, 89%, 72%
CMY	0.0822, 0.1137, 0.2784
CMYK	0.00, 0.03, 0.21, 0.08
HSL	50°, 54%, 82%
HSV	50°, 21%, 92%
XYZ	69.7885, 75.3458, 56.2174
YIQ	223.6040, 18.2500, -11.3660

Conversions

Conversions Part 2

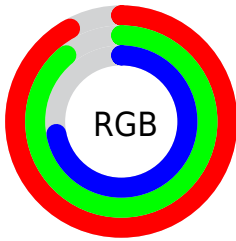
Format	Color
RYB	194, 234, 184
Decimal	15393464
CIELab	89.55, -3.90, 21.54
CIELCh	90, 21.893, 100.259
Yxy	75.3458, 0.3466, 0.3742
Android (android.graphics.Color)	4293583544 (0xFFEAE2B8)
YUV	223.6040, -19.5248, 9.1173
Hunter-Lab	86.8020, -8.3900, 22.3621

Details

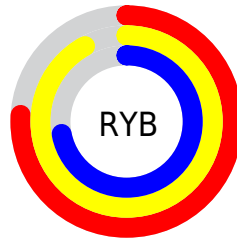
The Yxy color **75.3458, 0.3466, 0.3742** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.8551, 0.2774, 0.2794**, and the grayscale version is **74.3813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **40.2295, 0.3541, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **72.4245, 0.3636, 0.3959**, and if you desaturate by 10%, it is **78.4811, 0.3302, 0.3527**.

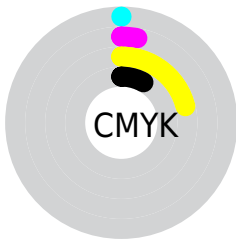
Distribution



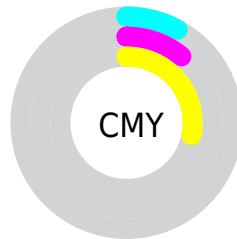
- Red (92%)
- Green (89%)
- Blue (72%)



- Red (76%)
- Yellow (92%)
- Blue (72%)



- Cyan (0%)
- Magenta (3%)
- Yellow (21%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3458, 0.3466, 0.3742 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 75.3458, 0.3466, 0.3742 by changing the saturation by 10% instead.

■ 75.3458, 0.3466,
0.3742

■ 75.3458, 0.3466,
0.3742

479.1053, 0.3312,
0.3533

■ 55.8962, 0.3501,
0.3790

■ 126.8017, 0.3413,
0.3670

■ 40.1197, 0.3543,
0.3848

159.5769, 0.3392,
0.3641

■ 27.6319, 0.3595,
0.3922

197.5627, 0.3374,
0.3617

■ 18.0484, 0.3663,
0.4018

241.1435, 0.3359,
0.3596

■ 10.9847, 0.3752,
0.4146

290.7038, 0.3345,
0.3577

■ 6.0566, 0.3872,
0.4327

346.6280, 0.3332,

■ 2.8795, 0.4044,

0.3561

0.4597

409.3003, 0.3321,
0.3546

■ 1.0692, 0.4604,
0.5396

■ 0.0000, 0.0000,
0.0000

■ 75.3458, 0.3466,
0.3742

■ 75.3458, 0.3466,
0.3742

■ 72.4245, 0.3636,
0.3959

■ 78.4811, 0.3302,
0.3527

■ 69.6987, 0.3808,
0.4168

■ 81.8280, 0.3148,
0.3318

■ 67.1630, 0.3975,
0.4362

■ 85.3971, 0.3004,
0.3120

■ 64.8076, 0.4130,
0.4530

■ 87.6512, 0.3000,
0.3150

■ 62.6215, 0.4267,
0.4662

■ 89.9012, 0.3000,
0.3188

■ 60.5922, 0.4379,
0.4751

■ 92.1975, 0.3000,
0.3226

■ 58.7048, 0.4462,
0.4793

■ 94.5403, 0.3000,
0.3263

■ 57.1701, 0.4514,
0.4798

■ 96.2381, 0.3000,
0.3290

Harmonies

Analogous

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



75.3458, 0.3619, 0.3627



75.3458, 0.3466, 0.3742



75.3458, 0.3226, 0.3731

Triad

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



75.3458, 0.3466, 0.3742



75.3458, 0.2644, 0.3113



75.3458, 0.3277, 0.3019

Complementary

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



75.3458, 0.3466, 0.3742



53.8551, 0.2774, 0.2794

Split Complementary

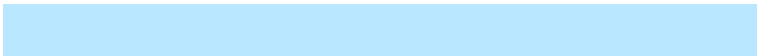
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3458, 0.3012, 0.2891



75.3458, 0.3466, 0.3742



75.3458, 0.2656, 0.2935

Square

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



75.3458, 0.3466, 0.3742



75.3458, 0.2756, 0.3353



75.3458, 0.2787, 0.2859



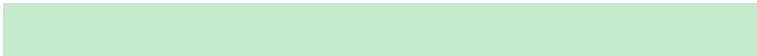
75.3458, 0.3509, 0.3213

Rectangle

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



75.3458, 0.3466, 0.3742



75.3458, 0.3050, 0.3648



75.3458, 0.2787, 0.2859



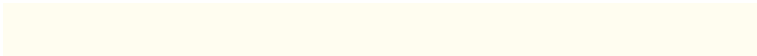
75.3458, 0.3189, 0.2967

Sweetspot

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



75.3492, 0.3466, 0.3742



97.4948, 0.3218, 0.3414



55.6049, 0.3488, 0.3198



20.8108, 0.3228, 0.3428



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.



75.3492, 0.3466, 0.3742



89.8309, 0.3546, 0.3845



77.1325, 0.3329, 0.3844



17.1907, 0.3272, 0.3486



32.2721, 0.4508, 0.4803



2.6444, 0.4457, 0.4843

Inverse Universe

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



53.8551, 0.2774, 0.2794



59.0105, 0.2687, 0.2666



52.6019, 0.2892, 0.2716



14.9398, 0.2980, 0.3086



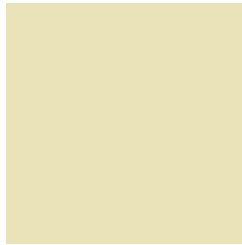
4.2216, 0.1539, 0.0739



0.4489, 0.1600, 0.0959

Previews

White Background



This preview shows how the Yxy color 75.3458, 0.3466, 0.3742 looks on a white background.

Color Contrast Check

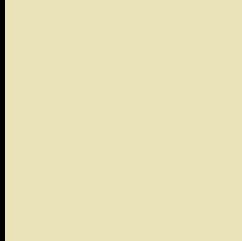
Large Text (above 18pt) WCAG AA × Fail

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 75.3458, 0.3466, 0.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

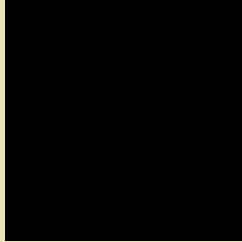
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

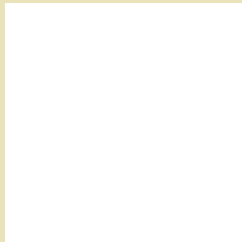
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.3458, 0.3466, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 75.3458, 0.3466, 0.3742.



This preview shows how white text looks on a background with the Yxy color 75.3458, 0.3466, 0.3742.

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

75.3458, 0.3466, 0.3742

Protanopia

75.4465, 0.3505, 0.3738

Deuteranopia

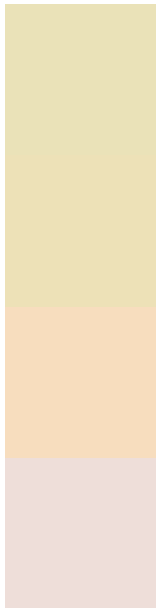
75.2531, 0.3579, 0.3547



Tritanopia

75.4199, 0.3171, 0.3116

Trichromacy



Original Color

75.3458, 0.3466, 0.3742

Protanomaly

75.2738, 0.3497, 0.3740

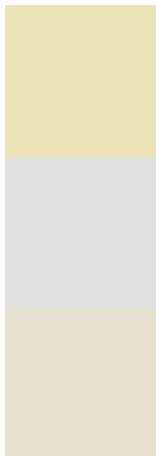
Deuteranomaly

75.2048, 0.3533, 0.3614

Tritanomaly

75.4294, 0.3275, 0.3343

Monochromacy



Original Color

75.3458, 0.3466, 0.3742

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.9479, 0.3254, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3458, 0.3466, 0.3742 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(234, 226, 184)` looks like.

```
.text, #text, p{  
    color:rgb(234, 226, 184)  
}
```

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(234, 226, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 226, 184) }
```

Border

The CSS property to change the border of an element to Yxy 75.3458, 0.3466, 0.3742 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(234, 226, 184) }
```

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

```
.border{ border-color:rgb(234, 226, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 226, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 226, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 226, 184);  
box-shadow:4px 4px 4px 4px rgb(234, 226,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3458, 0.3466, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 226, 184) }
```

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

```
.background{ background-color: rgb(234,  
226, 184) }
```

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