

Converting Colors

$Yxy(71.8368, 0.3443, 0.3668)$

Have a look what the booklet for
Yxy(71.8368, 0.3443, 0.3668)
contains.

Yxy(71.7205, 0.3442, 0.3662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.7205, 0.3442, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	E7DCBA
RGB	231, 220, 186
RGB Percent	91%, 86%, 73%
CMY	0.0940, 0.1372, 0.2708
CMYK	0.00, 0.05, 0.20, 0.09
HSL	45°, 48%, 82%
HSV	45°, 20%, 91%
XYZ	67.4118, 71.7205, 56.7183
YIQ	219.4130, 17.4700, -8.2420

Conversions

Conversions Part 2

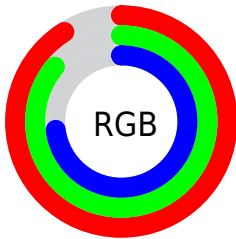
Format	Color
R _Y B	201, 231, 186
Decimal	15195322
CIE Lab	87.83, -1.66, 18.10
CIE LCh	88, 18.177, 95.245
Yxy	71.7205, 0.3442, 0.3662
Android (android.graphics.Color)	4293385402 (0xFFE7DCBA)
YUV	219.4130, -16.4726, 10.1618
Hunter-Lab	84.6880, -6.1176, 19.5731

Details

The Yxy color **71.7205, 0.3442, 0.3662** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.1234, 0.2811, 0.2888**, and the grayscale version is **71.2491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **37.7177, 0.3512, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **67.9048, 0.3620, 0.3860**, and if you desaturate by 10%, it is **75.8016, 0.3274, 0.3468**.

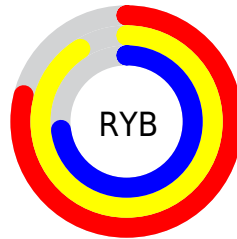
Distribution



Red (91%)

Green (86%)

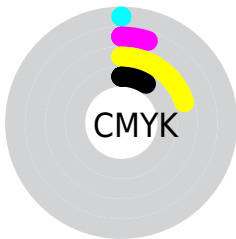
Blue (73%)



Red (79%)

Yellow (91%)

Blue (73%)

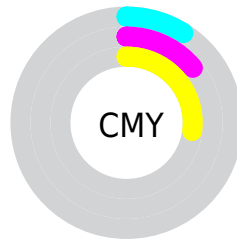


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (9%)



Cyan (9%)


Magenta (14%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7205, 0.3442, 0.3662 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 71.7205, 0.3442, 0.3662 by changing the saturation by 10% instead.

 71.7205, 0.3442,
0.3662

 71.7205, 0.3442,
0.3662


466.5682, 0.3296,
0.3489

 52.9304, 0.3475,
0.3702


 121.6591, 0.3392,
0.3602

 37.7472, 0.3516,
0.3751


153.5763, 0.3372,
0.3579

 25.7865, 0.3567,
0.3813


190.6381, 0.3355,
0.3558

 16.6640, 0.3634,
0.3893

233.2287, 0.3340,
0.3541

 9.9952, 0.3724,
0.4003

281.7327, 0.3327,
0.3526

 5.3958, 0.3849,
0.4159

336.5343, 0.3316,

 2.4813, 0.4037,

0.3512

0.4396

398.0180, 0.3306,
0.3500

0.8673, 0.4747,
0.5253

0.0000, 0.0000,
0.0000

71.7205, 0.3442,
0.3662

71.7205, 0.3442,
0.3662

67.9048, 0.3620,
0.3860

75.8016, 0.3274,
0.3468

64.3363, 0.3807,
0.4054

80.1465, 0.3120,
0.3281

61.0090, 0.3995,
0.4237

84.7494, 0.2980,
0.3108

57.9128, 0.4178,
0.4397

88.0704, 0.2981,
0.3165

■ 55.0366, 0.4348,
0.4525

■ 91.4954, 0.2981,
0.3222

■ 52.3680, 0.4496,
0.4611

■ 95.0252, 0.2982,
0.3279

■ 49.8921, 0.4616,
0.4648

■ 95.7323, 0.2982,
0.3290

■ 47.5859, 0.4708,
0.4641

■ 47.4754, 0.4712,
0.4641

Harmonies

Analogous

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



71.7205, 0.3552, 0.3553



71.7205, 0.3442, 0.3662



71.7205, 0.3248, 0.3670

Triad

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



71.7205, 0.3442, 0.3662



71.7205, 0.2726, 0.3174



71.7205, 0.3217, 0.3037

Complementary

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



71.7205, 0.3442, 0.3662



56.1234, 0.2811, 0.2888

Split Complementary

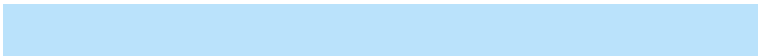
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7205, 0.2995, 0.2940



71.7205, 0.3442, 0.3662



71.7205, 0.2718, 0.3011

Square

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



71.7205, 0.3442, 0.3662



71.7205, 0.2838, 0.3379



71.7205, 0.2815, 0.2928



71.7205, 0.3421, 0.3196

Rectangle

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



71.7205, 0.3442, 0.3662



71.7205, 0.3100, 0.3611



71.7205, 0.2815, 0.2928



71.7205, 0.3142, 0.2996

Sweetspot

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



71.7237, 0.3442, 0.3662



96.6902, 0.3219, 0.3402



56.1322, 0.3418, 0.3165



20.6202, 0.3230, 0.3414



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.



71.7237, 0.3442, 0.3662



87.9724, 0.3505, 0.3733



75.8836, 0.3339, 0.3788



16.1889, 0.3274, 0.3467



26.8142, 0.4702, 0.4649



2.1243, 0.4612, 0.4720

Inverse Universe

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



56.1234, 0.2811, 0.2888



65.4362, 0.2747, 0.2803



52.7693, 0.2887, 0.2767



14.4565, 0.2980, 0.3107



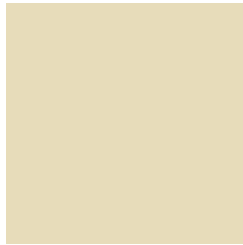
5.0089, 0.1578, 0.0881



0.5134, 0.1655, 0.1156

Previews

White Background



This preview shows how the Yxy color 71.7205, 0.3442, 0.3662 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 71.7205, 0.3442, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

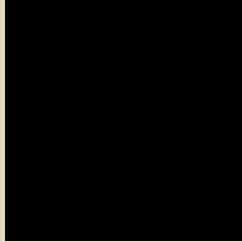
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

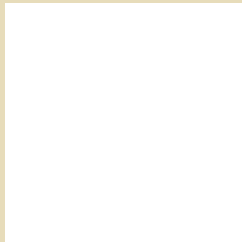
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7205, 0.3442, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 71.7205, 0.3442, 0.3662.

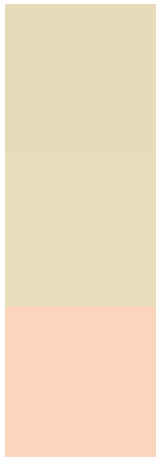


This preview shows how white text looks on a background with the Yxy color 71.7205, 0.3442, 0.3662.

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

71.7205, 0.3442, 0.3662

Protanopia

71.8874, 0.3449, 0.3661

Deuteranopia

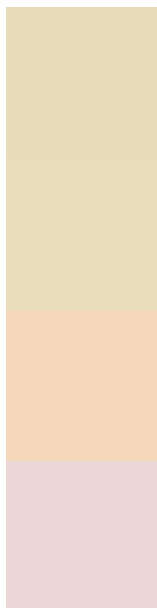
71.6005, 0.3615, 0.3540



Tritanopia

71.8108, 0.3186, 0.3123

Trichromacy



Original Color

71.7205, 0.3442, 0.3662

Protanomaly

71.8874, 0.3449, 0.3661

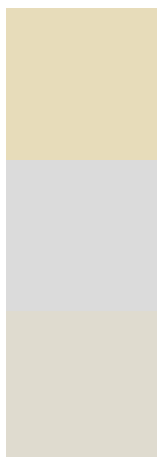
Deuteranomaly

71.6012, 0.3553, 0.3587

Tritanomaly

71.6289, 0.3281, 0.3312

Monochromacy



Original Color

71.7205, 0.3442, 0.3662

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.8560, 0.3237, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7205, 0.3442, 0.3662 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(231, 220, 186)` looks like.

```
.text, #text, p{  
    color:rgb(231, 220, 186)  
}
```

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(231, 220, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 220, 186) }
```

Border

The CSS property to change the border of an element to Yxy 71.7205, 0.3442, 0.3662 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(231, 220, 186) }
```

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

```
.border{ border-color:rgb(231, 220, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 220, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 220, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 220, 186); box-shadow:4px 4px 4px 4px rgb(231, 220, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7205, 0.3442, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 220, 186) }
```

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

```
.background{ background-color: rgb(231,  
220, 186) }
```

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