

Converting Colors

$Y_{xy}(71.1266, 0.3315, 0.3475)$

Have a look what the booklet for
Yxy(71.1266, 0.3315, 0.3475)
contains.

Yxy(70.8538, 0.3317, 0.3476)	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(70.8538, 0.3317, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	E4DAC9
RGB	228, 218, 201
RGB Percent	89%, 85%, 79%
CMY	0.1058, 0.1451, 0.2118
CMYK	0.00, 0.04, 0.12, 0.11
HSL	38°, 33%, 84%
HSV	38°, 12%, 89%
XYZ	67.6128, 70.8538, 65.3706
YIQ	219.0520, 11.4170, -3.1670

Conversions

Conversions Part 2

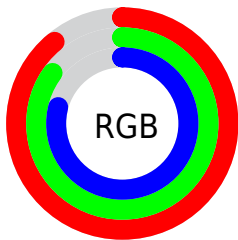
Format	Color
R _Y B	217, 228, 201
Decimal	14998217
CIE Lab	87.41, 0.59, 9.58
CIE LCh	87, 9.596, 86.467
Yxy	70.8538, 0.3317, 0.3476
Android (android.graphics.Color)	4293188297 (0xFFE4DAC9)
YUV	219.0520, -8.8996, 7.8474
Hunter-Lab	84.1747, -3.9267, 12.8773

Details

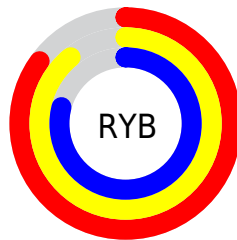
The Yxy color **70.8538, 0.3317, 0.3476** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6178, 0.2942, 0.3097**, and the grayscale version is **70.9365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0716, 0.3358, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **65.5884, 0.3497, 0.3641**, and if you desaturate by 10%, it is **76.5084, 0.3155, 0.3318**.

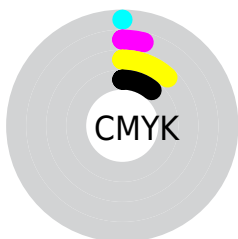
Distribution



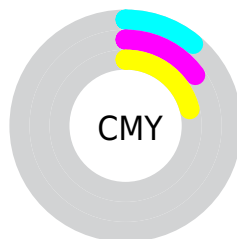
- Red (89%)
- Green (85%)
- Blue (79%)



- Red (85%)
- Yellow (89%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8538, 0.3317, 0.3476 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 70.8538, 0.3317, 0.3476 by changing the saturation by 10% instead.

70.8538, 0.3317,
0.3476

70.8538, 0.3317,
0.3476

463.5422, 0.3229,
0.3390

52.2229, 0.3337,
0.3496

120.4255, 0.3286,
0.3446

37.1828, 0.3363,
0.3520

152.1351, 0.3274,
0.3434

25.3490, 0.3395,
0.3552

188.9731, 0.3264,
0.3424

16.3373, 0.3437,
0.3592

231.3238, 0.3255,
0.3416

9.7631, 0.3494,
0.3648

279.5717, 0.3247,
0.3408

5.2422, 0.3578,
0.3729

334.1011, 0.3240,

2.3901, 0.3710,

0.3401

395.2965, 0.3234,
0.3395

0.3856

0.8208, 0.4320,
0.4462

0.0000, 0.0000,
0.0000

70.8538, 0.3317,
0.3476

70.8538, 0.3317,
0.3476

65.5884, 0.3497,
0.3641

76.5084, 0.3155,
0.3318

60.6926, 0.3694,
0.3809

82.5527, 0.3011,
0.3170

56.1586, 0.3905,
0.3974

88.0361, 0.2962,
0.3172

51.9749, 0.4127,
0.4127

93.2237, 0.2964,
0.3258

■ 48.1288, 0.4352,
0.4258

■ 95.2369, 0.2964,
0.3290

■ 44.6068, 0.4569,
0.4355

■ 41.3936, 0.4767,
0.4407

■ 38.4715, 0.4934,
0.4407

■ 36.2838, 0.5049,
0.4373

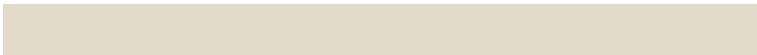
Harmonies

Analogous

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



70.8538, 0.3357, 0.3409



70.8538, 0.3317, 0.3476



70.8538, 0.3226, 0.3494

Triad

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



70.8538, 0.3317, 0.3476



70.8538, 0.2925, 0.3262



70.8538, 0.3141, 0.3133

Complementary

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



70.8538, 0.3317, 0.3476



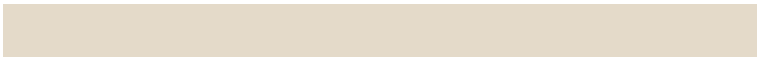
64.6178, 0.2942, 0.3097

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.



70.8538, 0.3026, 0.3094



70.8538, 0.3317, 0.3476



70.8538, 0.2903, 0.3166

Square

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



70.8538, 0.3317, 0.3476



70.8538, 0.3000, 0.3369



70.8538, 0.2939, 0.3105



70.8538, 0.3255, 0.3213

Rectangle

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



70.8538, 0.3317, 0.3476



70.8538, 0.3149, 0.3474



70.8538, 0.2939, 0.3105



70.8538, 0.3102, 0.3115

Sweetspot

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



70.8569, 0.3317, 0.3476



96.9710, 0.3189, 0.3352



62.9918, 0.3262, 0.3177



20.6358, 0.3201, 0.3364



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.



70.8569, 0.3317, 0.3476



89.7535, 0.3356, 0.3512



75.6996, 0.3281, 0.3584



15.8717, 0.3277, 0.3438



21.1822, 0.5033, 0.4386



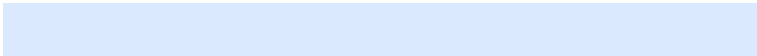
1.7417, 0.4878, 0.4509

Inverse Universe

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



64.6178, 0.2942, 0.3097



80.3427, 0.2906, 0.3057



60.2352, 0.2963, 0.2983



14.7581, 0.2981, 0.3138



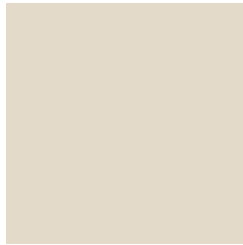
7.1526, 0.1662, 0.1184



0.7017, 0.1743, 0.1476

Previews

White Background



This preview shows how the Yxy color 70.8538, 0.3317, 0.3476 looks on a white background.

Color Contrast Check

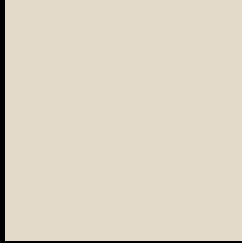
Large Text (above 18pt) WCAG AA × Fail

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 70.8538, 0.3317, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

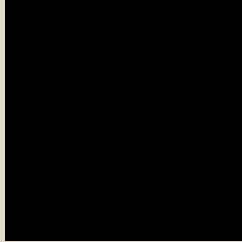
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

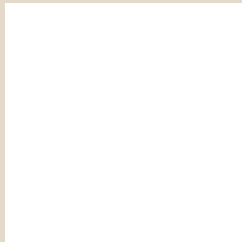
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8538, 0.3317, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 70.8538, 0.3317, 0.3476.

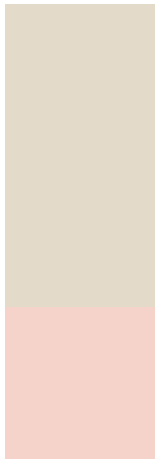


This preview shows how white text looks on a background with the Yxy color 70.8538, 0.3317, 0.3476.

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

70.8538, 0.3317, 0.3476

Protanopia

70.6907, 0.3309, 0.3476

Deuteranopia

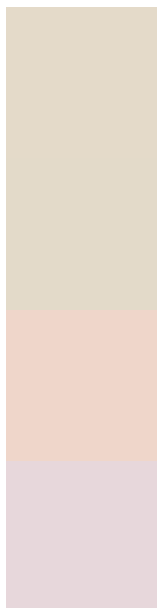
70.4456, 0.3458, 0.3385



Tritanopia

70.9621, 0.3150, 0.3121

Trichromacy



Original Color

70.8538, 0.3317, 0.3476

Protanomaly

70.6907, 0.3309, 0.3476

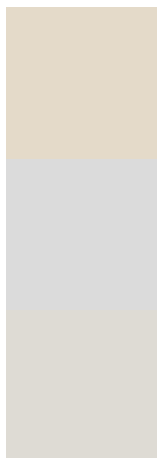
Deuteranomaly

70.7081, 0.3399, 0.3419

Tritanomaly

70.7043, 0.3217, 0.3247

Monochromacy



Original Color

70.8538, 0.3317, 0.3476

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9461, 0.3196, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8538, 0.3317, 0.3476 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, 218, 201)` looks like.

```
.text, #text, p{  
    color:rgb(228, 218, 201)  
}
```

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, 218, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 218, 201) }
```

Border

The CSS property to change the border of an element to Yxy 70.8538, 0.3317, 0.3476 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, 218, 201) }
```

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

```
.border{ border-color:rgb(228, 218, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 218, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 218, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 218, 201);  
box-shadow:4px 4px 4px 4px rgb(228, 218,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8538, 0.3317, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 218, 201) }
```

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

```
.background{ background-color: rgb(228,  
218, 201) }
```

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