

Converting Colors

$Y_{xy}(72.9875, 0.3286, 0.3504)$

Have a look what the booklet for
Yxy(72.9875, 0.3286, 0.3504)
contains.

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Color

Yxy(72.7231, 0.3283, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	E2DECB
RGB	226, 222, 203
RGB Percent	89%, 87%, 80%
CMY	0.1139, 0.1293, 0.2040
CMYK	0.00, 0.02, 0.10, 0.11
HSL	50°, 28%, 84%
HSV	50°, 10%, 89%
XYZ	68.2533, 72.7231, 66.9227
YIQ	221.0300, 8.4830, -5.0610

Conversions

Conversions Part 2

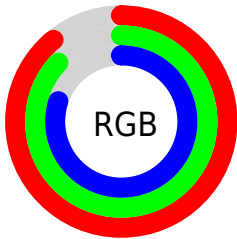
Format	Color
R _Y B	208, 226, 203
Decimal	14868171
CIE Lab	88.32, -1.89, 9.81
CIE LCh	88, 9.988, 100.906
Yxy	72.7231, 0.3283, 0.3498
Android (android.graphics.Color)	4293058251 (0xFFE2DECB)
YUV	221.0300, -8.8888, 4.3587
Hunter-Lab	85.2778, -6.3713, 13.1660

Details

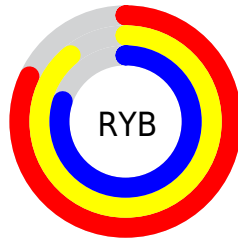
The Yxy color **72.7231, 0.3283, 0.3498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.7676, 0.2969, 0.3073**, and the grayscale version is **72.3850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4653, 0.3323, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **69.6910, 0.3446, 0.3710**, and if you desaturate by 10%, it is **75.9660, 0.3130, 0.3293**.

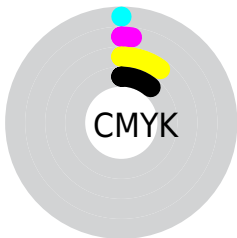
Distribution



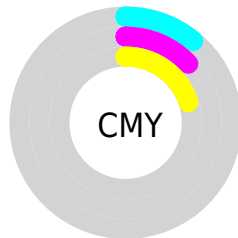
- Red (89%)
- Green (87%)
- Blue (80%)



- Red (82%)
- Yellow (89%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7231, 0.3283, 0.3498 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 72.7231, 0.3283, 0.3498 by changing the saturation by 10% instead.

72.7231, 0.3283,
0.3498

72.7231, 0.3283,
0.3498

470.0546, 0.3211,
0.3401

53.7496, 0.3299,
0.3520

123.0840, 0.3258,
0.3464

38.4015, 0.3320,
0.3548

155.2402, 0.3248,
0.3451

26.2944, 0.3345,
0.3583

192.5594, 0.3240,
0.3440

17.0440, 0.3379,
0.3629

235.4261, 0.3233,
0.3430

10.2659, 0.3424,
0.3691

284.2245, 0.3226,
0.3422

5.5756, 0.3490,
0.3783

339.3391, 0.3221,

2.5888, 0.3591,

0.3414

0.3927

401.1544, 0.3216,
0.3407

■ 0.9210, 0.4011,
0.4457

■ 0.0000, 0.0000,
0.0000

■ 72.7231, 0.3283,
0.3498

■ 72.7231, 0.3283,
0.3498

■ 69.6910, 0.3446,
0.3710

■ 75.9660, 0.3130,
0.3293

■ 66.8529, 0.3617,
0.3924

■ 79.4166, 0.2988,
0.3100

■ 64.2045, 0.3790,
0.4132

■ 82.0273, 0.2948,
0.3072

■ 61.7377, 0.3960,
0.4327

■ 84.2540, 0.2949,
0.3112

■ 59.4434, 0.4121,
0.4497

■ 86.5292, 0.2949,
0.3152

■ 57.3118, 0.4264,
0.4633

■ 88.8532, 0.2950,
0.3191

■ 55.3316, 0.4383,
0.4726

■ 91.2264, 0.2951,
0.3231

■ 53.4893, 0.4473,
0.4773

■ 93.6490, 0.2952,
0.3270

■ 51.7907, 0.4537,
0.4779

■ 94.9027, 0.2952,
0.3289

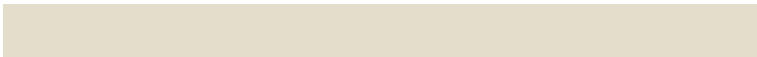
Harmonies

Analogous

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



72.7231, 0.3352, 0.3451



72.7231, 0.3283, 0.3498



72.7231, 0.3173, 0.3488

Triad

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



72.7231, 0.3283, 0.3498



72.7231, 0.2900, 0.3210



72.7231, 0.3200, 0.3164

Complementary

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



72.7231, 0.3283, 0.3498



62.7676, 0.2969, 0.3073

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.



72.7231, 0.3078, 0.3101



72.7231, 0.3283, 0.3498



72.7231, 0.2907, 0.3126

Square

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



72.7231, 0.3283, 0.3498



72.7231, 0.2952, 0.3319



72.7231, 0.2971, 0.3087



72.7231, 0.3304, 0.3258

Rectangle

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



72.7231, 0.3283, 0.3498



72.7231, 0.3091, 0.3449



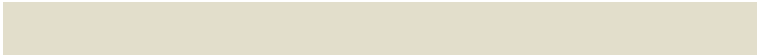
72.7231, 0.2971, 0.3087



72.7231, 0.3160, 0.3138

Sweetspot

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



72.7263, 0.3283, 0.3498



98.6827, 0.3172, 0.3351



63.3769, 0.3275, 0.3244



21.0477, 0.3184, 0.3367



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.



72.7263, 0.3283, 0.3498



94.8805, 0.3313, 0.3538



73.6939, 0.3226, 0.3544



15.6085, 0.3271, 0.3483



29.7116, 0.4531, 0.4784



2.1664, 0.4470, 0.4833

Inverse Universe

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



62.7676, 0.2969, 0.3073



79.5294, 0.2937, 0.3029



61.9279, 0.3022, 0.3032



13.6214, 0.2981, 0.3090



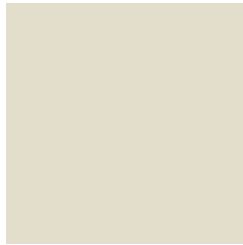
4.0702, 0.1544, 0.0757



0.3975, 0.1615, 0.1014

Previews

White Background



This preview shows how the Yxy color 72.7231, 0.3283, 0.3498 looks on a white background.

Color Contrast Check

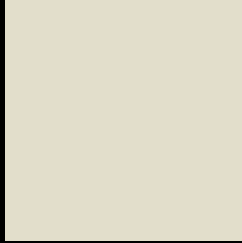
Large Text (above 18pt) WCAG AA × Fail

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 72.7231, 0.3283, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

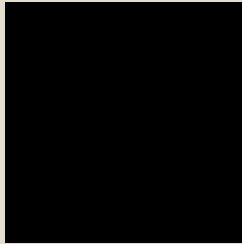
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

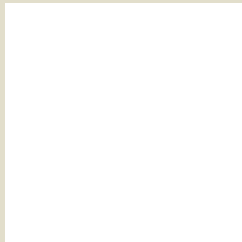
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7231, 0.3283, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 72.7231, 0.3283, 0.3498.

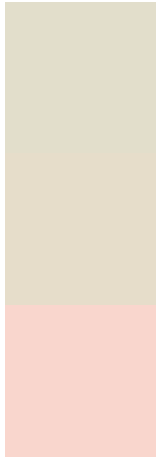


This preview shows how white text looks on a background with the Yxy color 72.7231, 0.3283, 0.3498.

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

72.7231, 0.3283, 0.3498

Protanopia

72.8002, 0.3321, 0.3496

Deuteranopia

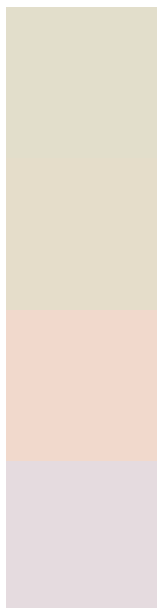
72.6406, 0.3454, 0.3384



Tritanopia

72.3892, 0.3107, 0.3111

Trichromacy



Original Color

72.7231, 0.3283, 0.3498

Protanomaly

72.6352, 0.3313, 0.3497

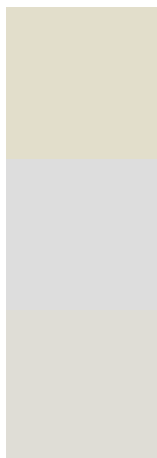
Deuteranomaly

72.6861, 0.3395, 0.3428

Tritanomaly

72.6488, 0.3172, 0.3247

Monochromacy



Original Color

72.7231, 0.3283, 0.3498

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.2559, 0.3188, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7231, 0.3283, 0.3498 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(226, 222, 203)` looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 203)  
}
```

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(226, 222, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 203) }
```

Border

The CSS property to change the border of an element to Yxy 72.7231, 0.3283, 0.3498 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(226, 222, 203) }
```

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

```
.border{ border-color:rgb(226, 222, 203) }
```

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

Here you see how a box with a 4 pixel rgb(226, 222, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 222, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 222, 203);  
box-shadow:4px 4px 4px 4px rgb(226, 222,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7231, 0.3283, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 203) }
```

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

```
.background{ background-color: rgb(226,  
222, 203) }
```

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](#).

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