

Converting Colors

$Y_{xy}(70.7403, 0.3290, 0.3455)$

Have a look what the booklet for
Yxy(70.7403, 0.3290, 0.3455)
contains.

Yxy(70.6234, 0.3288, 0.3455)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6234, 0.3288, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	E2DACB
RGB	226, 218, 203
RGB Percent	89%, 85%, 80%
CMY	0.1138, 0.1451, 0.2040
CMYK	0.00, 0.04, 0.10, 0.11
HSL	39°, 28%, 84%
HSV	39°, 10%, 89%
XYZ	67.2098, 70.6234, 66.5761
YIQ	218.6820, 9.5830, -2.9690

Conversions

Conversions Part 2

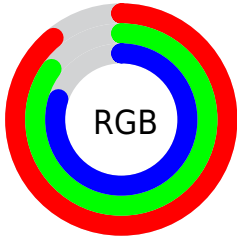
Format	Color
R _Y B	215, 226, 203
Decimal	14867147
CIE Lab	87.30, 0.19, 8.35
CIE LCh	87, 8.356, 88.722
Yxy	70.6234, 0.3288, 0.3455
Android (android.graphics.Color)	4293057227 (0xFFE2DACB)
YUV	218.6820, -7.7312, 6.4179
Hunter-Lab	84.0377, -4.3094, 11.8559

Details

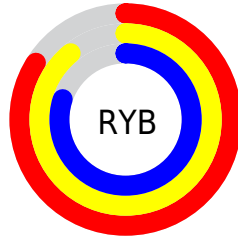
The Yxy color **70.6234, 0.3288, 0.3455** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.7508, 0.2969, 0.3119**, and the grayscale version is **70.6561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0222, 0.3330, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **65.6586, 0.3463, 0.3625**, and if you desaturate by 10%, it is **75.9436, 0.3130, 0.3293**.

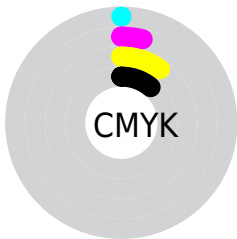
Distribution



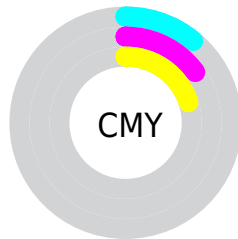
- Red (89%)
- Green (85%)
- Blue (80%)



- Red (84%)
- Yellow (89%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6234, 0.3288, 0.3455 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 70.6234, 0.3288, 0.3455 by changing the saturation by 10% instead.

■ 70.6234, 0.3288,
0.3455

■ 70.6234, 0.3288,
0.3455

462.7359, 0.3213,
0.3378

■ 52.0349, 0.3305,
0.3473

120.0973, 0.3262,
0.3428

■ 37.0329, 0.3327,
0.3495

151.7516, 0.3252,
0.3418

■ 25.2330, 0.3354,
0.3522

188.5299, 0.3243,
0.3409

■ 16.2507, 0.3390,
0.3559

230.8166, 0.3236,
0.3401

■ 9.7017, 0.3439,
0.3609

278.9962, 0.3229,
0.3394

■ 5.2017, 0.3510,
0.3682

333.4530, 0.3223,

■ 2.3661, 0.3623,

0.3388

0.3797

394.5714, 0.3218,
0.3383

0.8083, 0.4117,
0.4306

0.0000, 0.0000,
0.0000

70.6234, 0.3288,
0.3455

70.6234, 0.3288,
0.3455

65.6586, 0.3463,
0.3625

75.9436, 0.3130,
0.3293

61.0303, 0.3654,
0.3798

81.6187, 0.2988,
0.3140

56.7319, 0.3859,
0.3970

86.6021, 0.2950,
0.3153

52.7527, 0.4073,
0.4131

91.3535, 0.2951,
0.3233

■ 49.0813, 0.4289,
0.4271

■ 94.9067, 0.2952,
0.3289

■ 45.7052, 0.4498,
0.4379

■ 42.6104, 0.4689,
0.4444

■ 39.7810, 0.4851,
0.4458

■ 37.2357, 0.4981,
0.4427

Harmonies

Analogous

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



70.6234, 0.3327, 0.3400



70.6234, 0.3288, 0.3455



70.6234, 0.3206, 0.3466

Triad

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



70.6234, 0.3288, 0.3455



70.6234, 0.2947, 0.3259



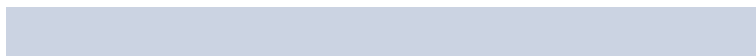
70.6234, 0.3148, 0.3157

Complementary

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



70.6234, 0.3288, 0.3455



64.7508, 0.2969, 0.3119

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.



70.6234, 0.3046, 0.3120



70.6234, 0.3288, 0.3455



70.6234, 0.2932, 0.3177

Square

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



70.6234, 0.3288, 0.3455



70.6234, 0.3010, 0.3352



70.6234, 0.2968, 0.3126



70.6234, 0.3245, 0.3229

Rectangle

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



70.6234, 0.3288, 0.3455



70.6234, 0.3139, 0.3446



70.6234, 0.2968, 0.3126



70.6234, 0.3113, 0.3140

Sweetspot

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



70.6265, 0.3288, 0.3455



97.8366, 0.3173, 0.3338



63.5742, 0.3247, 0.3202



20.8189, 0.3186, 0.3351



0.0000, 0.0000, 0.0000



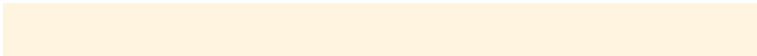
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6265, 0.3288, 0.3455



91.6012, 0.3320, 0.3487



74.3111, 0.3253, 0.3542



15.1878, 0.3276, 0.3443



21.4755, 0.4965, 0.4440



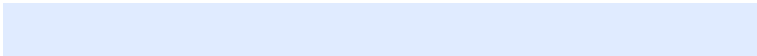
1.6539, 0.4816, 0.4558

Inverse Universe

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



64.7508, 0.2969, 0.3119



82.5524, 0.2938, 0.3085



61.3767, 0.2993, 0.3029



14.0165, 0.2981, 0.3133



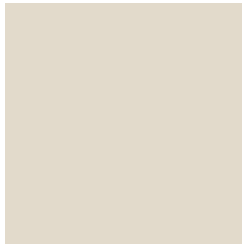
6.4696, 0.1645, 0.1120



0.6117, 0.1731, 0.1431

Previews

White Background



This preview shows how the Yxy color 70.6234, 0.3288, 0.3455 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 70.6234, 0.3288, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

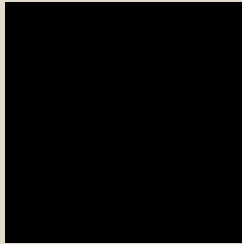
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

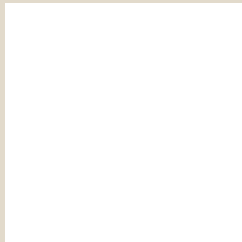
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6234, 0.3288, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 70.6234, 0.3288, 0.3455.

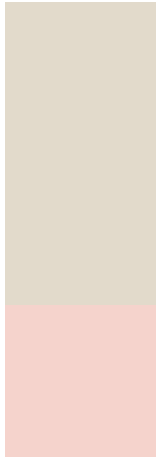


This preview shows how white text looks on a background with the Yxy color 70.6234, 0.3288, 0.3455.

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

70.6234, 0.3288, 0.3455

Protanopia

70.6234, 0.3288, 0.3455

Deuteranopia

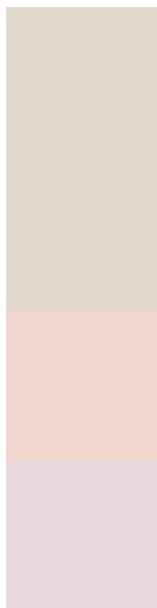
70.3606, 0.3436, 0.3364



Tritanopia

70.6857, 0.3128, 0.3110

Trichromacy



Original Color

70.6234, 0.3288, 0.3455

Protanomaly

70.6234, 0.3288, 0.3455

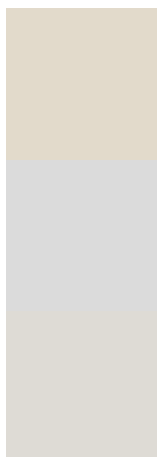
Deuteranomaly

70.6299, 0.3377, 0.3397

Tritanomaly

70.4793, 0.3189, 0.3226

Monochromacy



Original Color

70.6234, 0.3288, 0.3455

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9967, 0.3189, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6234, 0.3288, 0.3455 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, 218, 203)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 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, 218, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 203) }
```

Border

The CSS property to change the border of an element to Yxy 70.6234, 0.3288, 0.3455 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, 218, 203) }
```

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

```
.border{ border-color:rgb(226, 218, 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, 218, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 203);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6234, 0.3288, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 203) }
```

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

```
.background{ background-color: rgb(226,  
218, 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](#).

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