

Converting Colors

$Y_{xy}(72.5350, 0.3213, 0.3369)$

Have a look what the booklet for
Yxy(72.5350, 0.3213, 0.3369)
contains.

Yxy(72.6858, 0.3216, 0.3377)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.6858, 0.3216, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	E2DDD5
RGB	226, 221, 213
RGB Percent	89%, 87%, 84%
CMY	0.1139, 0.1333, 0.1647
CMYK	0.00, 0.02, 0.06, 0.11
HSL	37°, 18%, 86%
HSV	37°, 6%, 89%
XYZ	69.2205, 72.6858, 73.3315
YIQ	221.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

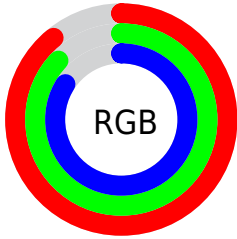
Format	Color
R_{YB}	221, 226, 213
Decimal	14867925
CIE Lab	88.30, 0.29, 4.51
CIE LCh	88, 4.523, 86.296
Yxy	72.6858, 0.3216, 0.3377
Android (android.graphics.Color)	4293058005 (0xFFE2DDD5)
YUV	221.5830, -4.2314, 3.8737
Hunter-Lab	85.2560, -4.2714, 8.6819

Details

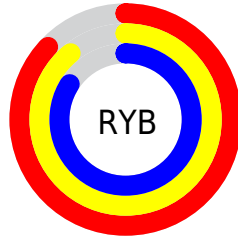
The Yxy color **72.6858, 0.3216, 0.3377** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7460, 0.3040, 0.3201**, and the grayscale version is **72.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3990, 0.3244, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **67.1879, 0.3385, 0.3535**, and if you desaturate by 10%, it is **78.5832, 0.3065, 0.3227**.

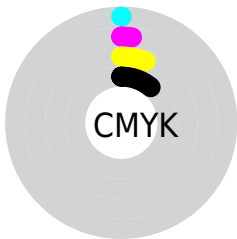
Distribution



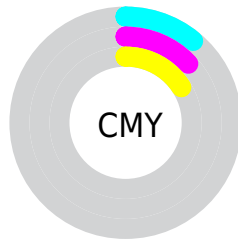
- Red (89%)
- Green (87%)
- Blue (84%)



- Red (87%)
- Yellow (89%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6858, 0.3216, 0.3377 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 72.6858, 0.3216, 0.3377 by changing the saturation by 10% instead.

■ 72.6858, 0.3216,
0.3377

■ 72.6858, 0.3216,
0.3377

469.9251, 0.3175,
0.3337

■ 53.7191, 0.3225,
0.3386

123.0311, 0.3202,
0.3363

■ 38.3771, 0.3237,
0.3398

155.1784, 0.3196,
0.3358

■ 26.2755, 0.3252,
0.3412

192.4881, 0.3191,
0.3353

■ 17.0299, 0.3271,
0.3431

235.3444, 0.3187,
0.3349

■ 10.2558, 0.3298,
0.3457

284.1319, 0.3184,
0.3345

■ 5.5689, 0.3336,
0.3494

339.2350, 0.3180,

■ 2.5848, 0.3398,

0.3342

0.3553

401.0379, 0.3177,
0.3339

0.9190, 0.3545,
0.3699

0.0000, 0.0000,
0.0000

72.6858, 0.3216,
0.3377

72.6858, 0.3216,
0.3377

67.1879, 0.3385,
0.3535

78.5832, 0.3065,
0.3227

62.0701, 0.3573,
0.3699

84.6729, 0.2949,
0.3119

57.3248, 0.3777,
0.3864

89.8152, 0.2950,
0.3207

52.9409, 0.3996,
0.4023

94.9019, 0.2952,
0.3289

■ 48.9064, 0.4223,
0.4167

■ 45.2084, 0.4450,
0.4284

■ 41.8327, 0.4666,
0.4363

■ 38.7632, 0.4858,
0.4393

■ 35.9811, 0.5017,
0.4370

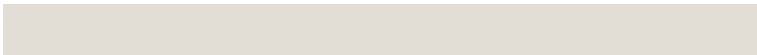
Harmonies

Analogous

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



72.6858, 0.3234, 0.3346



72.6858, 0.3216, 0.3377



72.6858, 0.3174, 0.3385

Triad

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



72.6858, 0.3216, 0.3377



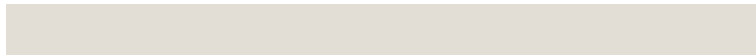
72.6858, 0.3032, 0.3278



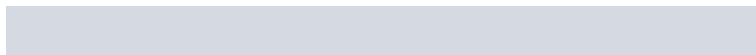
72.6858, 0.3134, 0.3216

Complementary

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



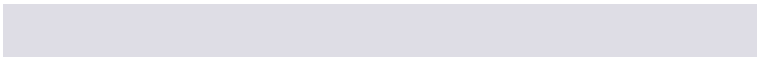
72.6858, 0.3216, 0.3377



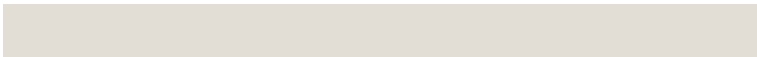
69.7460, 0.3040, 0.3201

Split Complementary

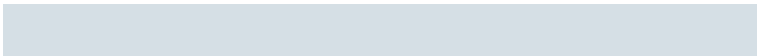
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6858, 0.3080, 0.3198



72.6858, 0.3216, 0.3377



72.6858, 0.3022, 0.3233

Square

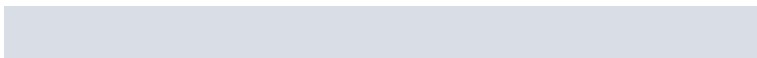
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6858, 0.3216, 0.3377



72.6858, 0.3068, 0.3327



72.6858, 0.3039, 0.3204



72.6858, 0.3187, 0.3254

Rectangle

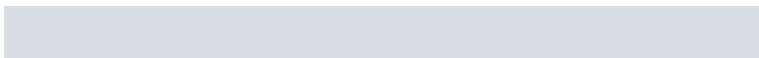
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6858, 0.3216, 0.3377



72.6858, 0.3138, 0.3375



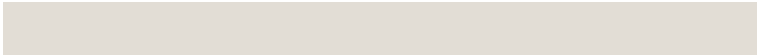
72.6858, 0.3039, 0.3204



72.6858, 0.3115, 0.3207

Sweetspot

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



72.6890, 0.3216, 0.3377



98.4419, 0.3158, 0.3320



68.8109, 0.3189, 0.3236



21.0870, 0.3156, 0.3319



0.0000, 0.0000, 0.0000



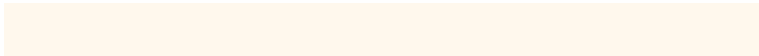
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6890, 0.3216, 0.3377



94.6389, 0.3237, 0.3397



75.0924, 0.3201, 0.3430



15.3318, 0.3245, 0.3405



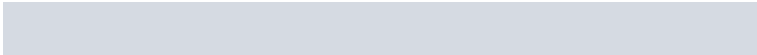
20.1376, 0.5060, 0.4364



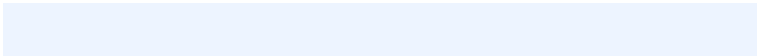
1.5671, 0.4891, 0.4498

Inverse Universe

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



69.7460, 0.3040, 0.3201



89.9237, 0.3019, 0.3180



67.4507, 0.3051, 0.3147



14.5127, 0.3011, 0.3172



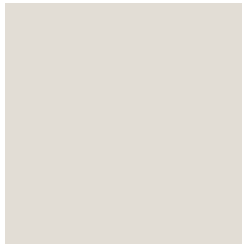
7.1543, 0.1671, 0.1215



0.6650, 0.1757, 0.1524

Previews

White Background



This preview shows how the Yxy color 72.6858, 0.3216, 0.3377 looks on a white background.

Color Contrast Check

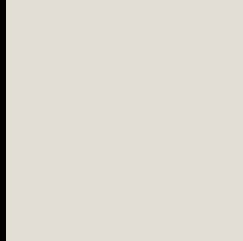
Large Text (above 18pt) WCAG AA × Fail

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 72.6858, 0.3216, 0.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

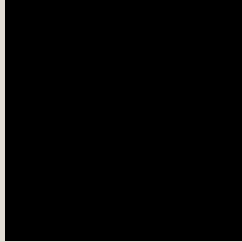
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

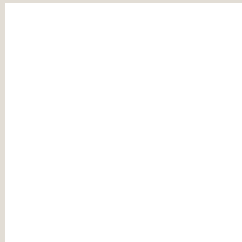
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6858, 0.3216, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 72.6858, 0.3216, 0.3377.

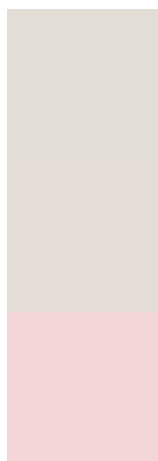


This preview shows how white text looks on a background with the Yxy color 72.6858, 0.3216, 0.3377.

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

72.6858, 0.3216, 0.3377

Protanopia

72.8479, 0.3224, 0.3377

Deuteranopia

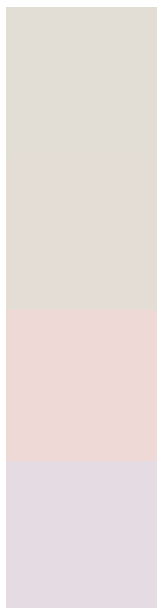
72.3607, 0.3358, 0.3291



Tritanopia

72.7990, 0.3093, 0.3111

Trichromacy



Original Color

72.6858, 0.3216, 0.3377

Protanomaly

72.8479, 0.3224, 0.3377

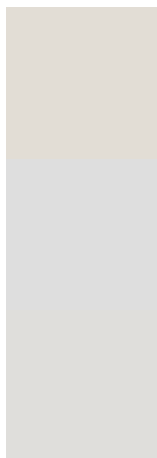
Deuteranomaly

72.6579, 0.3302, 0.3322

Tritanomaly

72.7031, 0.3138, 0.3205

Monochromacy



Original Color

72.6858, 0.3216, 0.3377

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.0450, 0.3154, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6858, 0.3216, 0.3377 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, 221, 213)` looks like.

```
.text, #text, p{  
    color:rgb(226, 221, 213)  
}
```

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, 221, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 221, 213) }
```

Border

The CSS property to change the border of an element to Yxy 72.6858, 0.3216, 0.3377 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, 221, 213) }
```

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

```
.border{ border-color:rgb(226, 221, 213) }
```

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

Here you see how a box with a 4 pixel rgb(226, 221, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 221, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 221, 213);  
box-shadow:4px 4px 4px 4px rgb(226, 221,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6858, 0.3216, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 221, 213) }
```

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

```
.background{ background-color: rgb(226,  
221, 213) }
```

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