

Converting Colors

$Y_{xy}(70.2336, 0.3233, 0.3378)$

Have a look what the booklet for
Yxy(70.2336, 0.3233, 0.3378)
contains.

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Color

Yxy(70.0765, 0.3233, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	E0D9D1
RGB	224, 217, 209
RGB Percent	88%, 85%, 82%
CMY	0.1214, 0.1490, 0.1804
CMYK	0.00, 0.03, 0.07, 0.12
HSL	32°, 20%, 85%
HSV	32°, 7%, 88%
XYZ	67.0685, 70.0765, 70.3047
YIQ	218.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

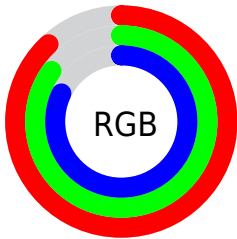
Format	Color
R _Y B	222, 224, 209
Decimal	14735825
CIE Lab	87.03, 1.03, 4.78
CIE LCh	87, 4.890, 77.884
Yxy	70.0765, 0.3233, 0.3378
Android (android.graphics.Color)	4292925905 (0xFFE0D9D1)
YUV	218.1810, -4.5262, 5.1033
Hunter-Lab	83.7117, -3.4841, 8.8039

Details

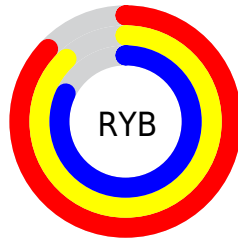
The Yxy color **70.0765, 0.3233, 0.3378** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0633, 0.3024, 0.3200**, and the grayscale version is **70.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6422, 0.3257, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **63.8143, 0.3408, 0.3515**, and if you desaturate by 10%, it is **76.8440, 0.3079, 0.3248**.

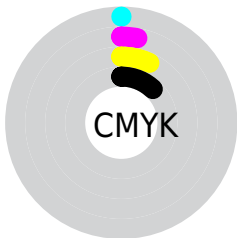
Distribution



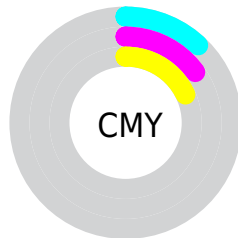
- Red (88%)
- Green (85%)
- Blue (82%)



- Red (87%)
- Yellow (88%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (12%)



- Cyan (12%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0765, 0.3233, 0.3378 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 70.0765, 0.3233, 0.3378 by changing the saturation by 10% instead.

■ 70.0765, 0.3233,
0.3378

■ 70.0765, 0.3233,
0.3378

460.8186, 0.3184,
0.3337

■ 51.5889, 0.3244,
0.3387

119.3178, 0.3216,
0.3364

■ 36.6775, 0.3259,
0.3399

150.8404, 0.3209,
0.3358

■ 24.9579, 0.3277,
0.3414

187.4767, 0.3203,
0.3354

■ 16.0457, 0.3300,
0.3433

229.6112, 0.3198,
0.3349

■ 9.5565, 0.3333,
0.3460

277.6282, 0.3194,
0.3346

■ 5.1059, 0.3381,
0.3499

331.9122, 0.3190,

■ 2.3095, 0.3458,

0.3343

0.3561

392.8475, 0.3187,
0.3340

0.7787, 0.3719,
0.3785

0.0000, 0.0000,
0.0000

70.0765, 0.3233,
0.3378

70.0765, 0.3233,
0.3378

63.8143, 0.3408,
0.3515

76.8440, 0.3079,
0.3248

58.0355, 0.3607,
0.3658

84.1198, 0.2944,
0.3128

52.7297, 0.3827,
0.3802

90.4773, 0.2939,
0.3223

47.8826, 0.4069,
0.3940

94.5929, 0.2941,
0.3289

■ 43.4793, 0.4325,
0.4063

■ 39.5035, 0.4588,
0.4159

■ 35.9376, 0.4843,
0.4215

■ 32.7621, 0.5075,
0.4221

■ 29.9535, 0.5270,
0.4173

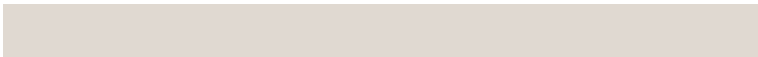
Harmonies

Analogous

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



70.0765, 0.3244, 0.3339



70.0765, 0.3233, 0.3378



70.0765, 0.3193, 0.3394

Triad

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



70.0765, 0.3233, 0.3378



70.0765, 0.3032, 0.3292



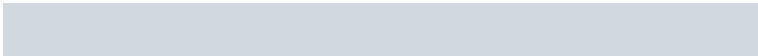
70.0765, 0.3117, 0.3201

Complementary

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



70.0765, 0.3233, 0.3378



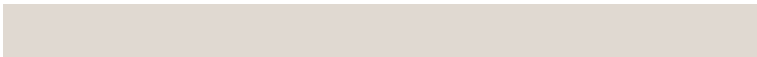
68.0633, 0.3024, 0.3200

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.



70.0765, 0.3061, 0.3188



70.0765, 0.3233, 0.3378



70.0765, 0.3012, 0.3240

Square

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



70.0765, 0.3233, 0.3378



70.0765, 0.3077, 0.3344



70.0765, 0.3022, 0.3202



70.0765, 0.3177, 0.3237

Rectangle

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



70.0765, 0.3233, 0.3378



70.0765, 0.3156, 0.3389



70.0765, 0.3022, 0.3202



70.0765, 0.3097, 0.3194

Sweetspot

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



70.0796, 0.3233, 0.3378



98.1630, 0.3158, 0.3316



66.4198, 0.3189, 0.3210



21.0303, 0.3156, 0.3315



0.0000, 0.0000, 0.0000



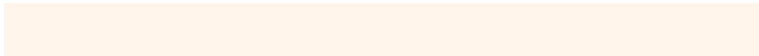
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0796, 0.3233, 0.3378



92.8166, 0.3255, 0.3396



73.7457, 0.3224, 0.3454



14.9023, 0.3279, 0.3415



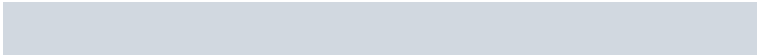
17.1656, 0.5308, 0.4167



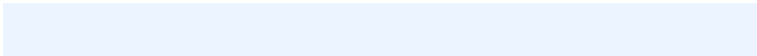
1.3687, 0.5090, 0.4341

Inverse Universe

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



68.0633, 0.3024, 0.3200



89.6018, 0.3003, 0.3182



64.5696, 0.3027, 0.3121



14.2952, 0.2981, 0.3162



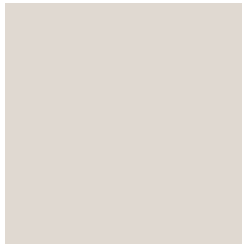
9.2142, 0.1744, 0.1478



0.8167, 0.1825, 0.1769

Previews

White Background



This preview shows how the Yxy color 70.0765, 0.3233, 0.3378 looks on a white background.

Color Contrast Check

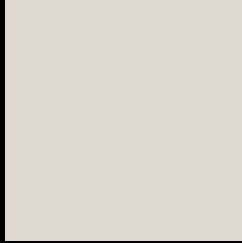
Large Text (above 18pt) WCAG AA × Fail

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 70.0765, 0.3233, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

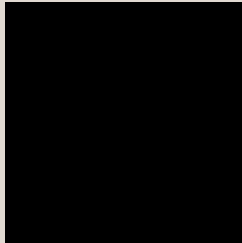
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

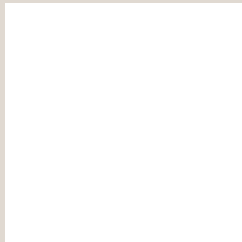
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0765, 0.3233, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 70.0765, 0.3233, 0.3378.

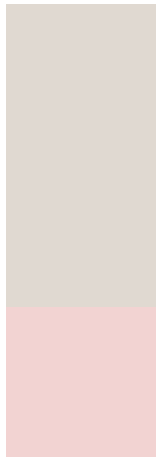


This preview shows how white text looks on a background with the Yxy color 70.0765, 0.3233, 0.3378.

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

70.0765, 0.3233, 0.3378

Protanopia

70.0765, 0.3233, 0.3378

Deuteranopia

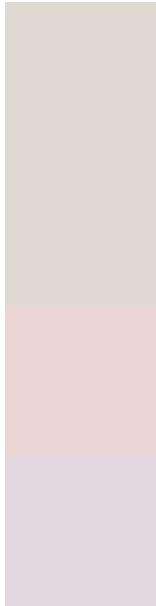
70.1189, 0.3368, 0.3301



Tritanopia

70.1935, 0.3107, 0.3109

Trichromacy



Original Color

70.0765, 0.3233, 0.3378

Protanomaly

70.0765, 0.3233, 0.3378

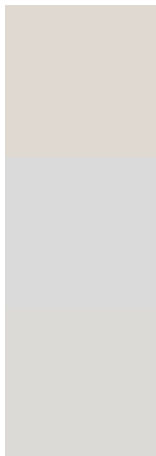
Deuteranomaly

69.9038, 0.3312, 0.3323

Tritanomaly

70.0973, 0.3153, 0.3204

Monochromacy



Original Color

70.0765, 0.3233, 0.3378

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2647, 0.3162, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0765, 0.3233, 0.3378 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(224, 217, 209) looks like.

```
.text, #text, p{  
    color:rgb(224, 217, 209)  
}
```

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(224, 217, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 217, 209) }
```

Border

The CSS property to change the border of an element to Yxy 70.0765, 0.3233, 0.3378 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(224, 217, 209) }
```

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

```
.border{ border-color:rgb(224, 217, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 217, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 217, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 217, 209);  
box-shadow:4px 4px 4px 4px rgb(224, 217,  
209) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.0765, 0.3233, 0.3378$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 217, 209) }
```

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

```
.background{ background-color: rgb(224,  
217, 209) }
```

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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