

Converting Colors

$Y_{xy}(70.3899, 0.3334, 0.3356)$

Have a look what the booklet for
Yxy(70.3899, 0.3334, 0.3356)
contains.

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Color

Yxy(70.4801, 0.3333, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	ECD6D0
RGB	236, 214, 208
RGB Percent	93%, 84%, 82%
CMY	0.0746, 0.1607, 0.1844
CMYK	0.00, 0.09, 0.12, 0.07
HSL	13°, 42%, 87%
HSV	13°, 12%, 93%
XYZ	70.0179, 70.4801, 69.5768
YIQ	219.8940, 15.0380, 2.7980

Conversions

Conversions Part 2

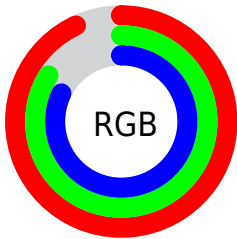
Format	Color
R _Y B	236, 216, 208
Decimal	15521488
CIE Lab	87.23, 6.61, 5.72
CIE LCh	87, 8.740, 40.885
Yxy	70.4801, 0.3333, 0.3355
Android (android.graphics.Color)	4293711568 (0xFFECD6D0)
YUV	219.8940, -5.8637, 14.1250
Hunter-Lab	83.9524, 1.9557, 9.6293

Details

The Yxy color **70.4801, 0.3333, 0.3355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.0313, 0.2944, 0.3224**, and the grayscale version is **71.5262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8327, 0.3380, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **60.5600, 0.3546, 0.3414**, and if you desaturate by 10%, it is **81.6448, 0.3157, 0.3300**.

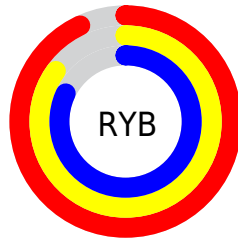
Distribution



Red (93%)

Green (84%)

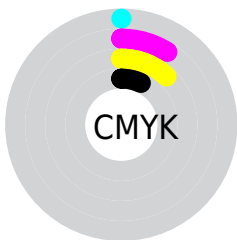
Blue (82%)



Red (93%)

Yellow (85%)

Blue (82%)

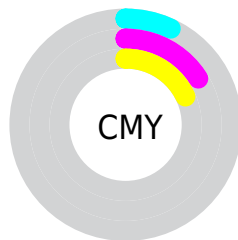


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (7%)



Cyan (7%)


Magenta (16%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4801, 0.3333, 0.3355 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 70.4801, 0.3333, 0.3355 by changing the saturation by 10% instead.


 70.4801, 0.3333,
0.3355

 70.4801, 0.3333,
0.3355


462.2339, 0.3237,
0.3326

 51.9180, 0.3355,
0.3362


119.8932, 0.3299,
0.3345

 36.9397, 0.3383,
0.3370


151.5129, 0.3286,
0.3341

 25.1608, 0.3418,
0.3380


188.2541, 0.3275,
0.3338

 16.1969, 0.3465,
0.3393

230.5010, 0.3265,
0.3335

 9.6636, 0.3529,
0.3410

278.6380, 0.3257,
0.3332

 5.1765, 0.3624,
0.3434

333.0496, 0.3249,

 2.3512, 0.3775,

0.3330

0.3469

394.1201, 0.3243,
0.3327

0.8006, 0.4209,
0.3644

0.0000, 0.0000,
0.0000

70.4801, 0.3333,
0.3355

70.4801, 0.3333,
0.3355

60.5600, 0.3546,
0.3414

81.6448, 0.3157,
0.3300

51.8319, 0.3802,
0.3474

94.0739, 0.3011,
0.3251

44.2534, 0.4106,
0.3533

96.5702, 0.3011,
0.3290

37.7759, 0.4458,
0.3585

■ 32.3473, 0.4851,
0.3622

■ 27.9110, 0.5263,
0.3634

■ 24.4051, 0.5655,
0.3611

■ 21.7600, 0.5978,
0.3550

■ 20.1816, 0.6171,
0.3482

Harmonies

Analogous

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



70.4801, 0.3284, 0.3262



70.4801, 0.3333, 0.3355



70.4801, 0.3326, 0.3433

Triad

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



70.4801, 0.3333, 0.3355



70.4801, 0.3061, 0.3406



70.4801, 0.2989, 0.3110

Complementary

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



70.4801, 0.3333, 0.3355



76.0313, 0.2944, 0.3224

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.



70.4801, 0.2932, 0.3145



70.4801, 0.3333, 0.3355



70.4801, 0.2973, 0.3316

Square

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



70.4801, 0.3333, 0.3355



70.4801, 0.3168, 0.3465



70.4801, 0.2926, 0.3220



70.4801, 0.3084, 0.3123

Rectangle

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



70.4801, 0.3333, 0.3355



70.4801, 0.3291, 0.3465



70.4801, 0.2926, 0.3220



70.4801, 0.2965, 0.3117

Sweetspot

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



70.4832, 0.3333, 0.3355



94.3597, 0.3192, 0.3311



68.6688, 0.3180, 0.3055



19.9757, 0.3204, 0.3315



0.0000, 0.0000, 0.0000



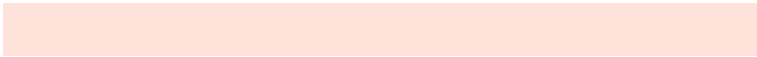
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4832, 0.3333, 0.3355



81.3215, 0.3376, 0.3368



77.6416, 0.3315, 0.3497



15.5798, 0.3288, 0.3341



11.2799, 0.6146, 0.3502



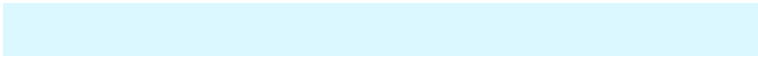
1.0236, 0.5884, 0.3710

Inverse Universe

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



76.0313, 0.2944, 0.3224



89.0396, 0.2911, 0.3211



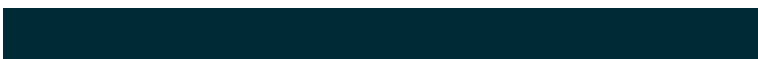
68.7715, 0.2941, 0.3074



16.5393, 0.2981, 0.3238



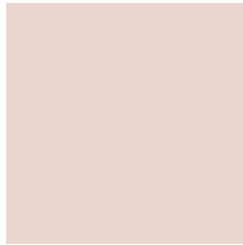
22.7035, 0.2051, 0.2583



1.9194, 0.2081, 0.2692

Previews

White Background



This preview shows how the Yxy color 70.4801, 0.3333, 0.3355 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 70.4801, 0.3333, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

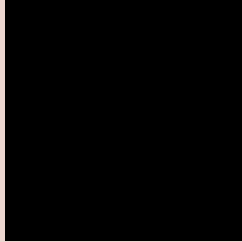
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

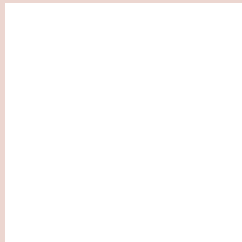
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4801, 0.3333, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 70.4801, 0.3333, 0.3355.

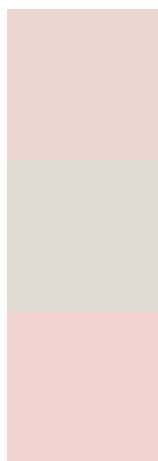


This preview shows how white text looks on a background with the Yxy color 70.4801, 0.3333, 0.3355.

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

70.4801, 0.3333, 0.3355

Protanopia

70.8035, 0.3232, 0.3378

Deuteranopia

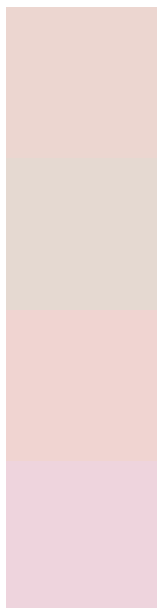
70.2467, 0.3383, 0.3312



Tritanopia

70.5407, 0.3217, 0.3113

Trichromacy



Original Color

70.4801, 0.3333, 0.3355

Protanomaly

70.8872, 0.3270, 0.3377

Deuteranomaly

70.2157, 0.3359, 0.3322

Tritanomaly

70.4846, 0.3258, 0.3196

Monochromacy



Original Color

70.4801, 0.3333, 0.3355

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.2694, 0.3199, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4801, 0.3333, 0.3355 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(236, 214, 208)` looks like.

```
.text, #text, p{  
    color:rgb(236, 214, 208)  
}
```

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(236, 214, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 214, 208) }
```

Border

The CSS property to change the border of an element to Yxy 70.4801, 0.3333, 0.3355 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(236, 214, 208) }
```

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

```
.border{ border-color:rgb(236, 214, 208) }
```

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

Here you see how a box with a 4 pixel rgb(236, 214, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 214, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 214, 208);  
box-shadow:4px 4px 4px 4px rgb(236, 214,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4801, 0.3333, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 214, 208) }
```

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

```
.background{ background-color: rgb(236,  
214, 208) }
```

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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