

Converting Colors

$Yxy(70.8646, 0.3368, 0.3680)$

Have a look what the booklet for
Yxy(70.8646, 0.3368, 0.3680)
contains.

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Color

Yxy(70.7877, 0.3371, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	DEDDBA
RGB	222, 221, 186
RGB Percent	87%, 87%, 73%
CMY	0.1297, 0.1332, 0.2706
CMYK	0.00, 0.00, 0.16, 0.13
HSL	58°, 35%, 80%
HSV	58°, 16%, 87%
XYZ	64.8262, 70.7877, 56.6917
YIQ	217.3090, 11.8310, -10.6730

Conversions

Conversions Part 2

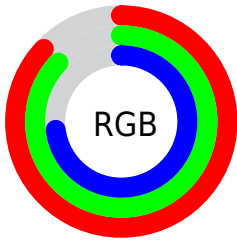
Format	Color
RYB	187, 222, 186
Decimal	14605754
CIELab	87.38, -5.49, 17.35
CIELCh	87, 18.194, 107.556
Yxy	70.7877, 0.3371, 0.3681
Android (android.graphics.Color)	4292795834 (0xFFDEDDBA)
YUV	217.3090, -15.4353, 4.1140
Hunter-Lab	84.1354, -9.7030, 18.9443

Details

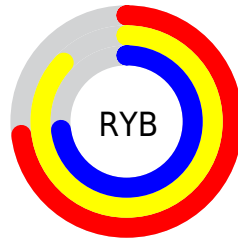
The Yxy color **70.7877, 0.3371, 0.3681** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.2004, 0.2865, 0.2867**, and the grayscale version is **69.7077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **37.1814, 0.3430, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **69.6253, 0.3525, 0.3927**, and if you desaturate by 10%, it is **72.1040, 0.3219, 0.3437**.

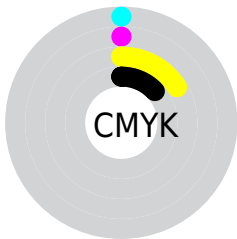
Distribution



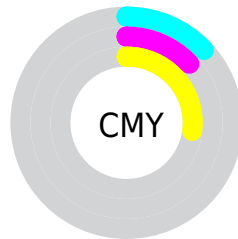
- Red (87%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)




- Cyan (13%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7877, 0.3371, 0.3681 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 70.7877, 0.3371, 0.3681 by changing the saturation by 10% instead.


 70.7877, 0.3371,
0.3681

 70.7877, 0.3371,
0.3681


463.3109, 0.3259,
0.3497

 52.1690, 0.3396,
0.3724


 120.3314, 0.3332,
0.3617

 37.1398, 0.3428,
0.3777


152.0251, 0.3317,
0.3592

 25.3157, 0.3467,
0.3844


188.8460, 0.3304,
0.3571

 16.3124, 0.3517,
0.3933

231.1784, 0.3293,
0.3552

 9.7455, 0.3585,
0.4055

279.4067, 0.3283,
0.3536

 5.2306, 0.3679,
0.4233

333.9153, 0.3274,

 2.3832, 0.3817,

0.3521

395.0886, 0.3266,
0.3509

0.4512

0.8172, 0.4403,
0.5597

0.0000, 0.0000,
0.0000

70.7877, 0.3371,
0.3681

70.7877, 0.3371,
0.3681

69.6253, 0.3525,
0.3927

72.1040, 0.3219,
0.3437

68.6005, 0.3677,
0.4167

73.5710, 0.3072,
0.3202

67.7093, 0.3820,
0.4393

75.1978, 0.2934,
0.2979

66.9437, 0.3949,
0.4593

75.6515, 0.2920,
0.2960

■ 66.2950, 0.4057,
0.4760

■ 75.9503, 0.2920,
0.2966

■ 65.7532, 0.4141,
0.4886

■ 76.2500, 0.2920,
0.2972

■ 65.3067, 0.4198,
0.4968

■ 76.5507, 0.2920,
0.2978

■ 64.9412, 0.4230,
0.5008

■ 76.8524, 0.2920,
0.2984

■ 64.8138, 0.4238,
0.5017

■ 77.1551, 0.2920,
0.2990

Harmonies

Analogous

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



70.7877, 0.3522, 0.3610



70.7877, 0.3371, 0.3681



70.7877, 0.3158, 0.3642

Triad

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



70.7877, 0.3371, 0.3681



70.7877, 0.2708, 0.3098



70.7877, 0.3308, 0.3095

Complementary

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



70.7877, 0.3371, 0.3681



51.2004, 0.2865, 0.2867

Split Complementary

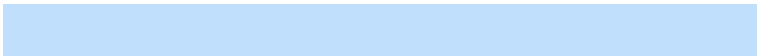
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7877, 0.3084, 0.2969



70.7877, 0.3371, 0.3681



70.7877, 0.2744, 0.2964

Square

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



70.7877, 0.3371, 0.3681



70.7877, 0.2779, 0.3294



70.7877, 0.2879, 0.2920



70.7877, 0.3486, 0.3271

Rectangle

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



70.7877, 0.3371, 0.3681



70.7877, 0.3010, 0.3555



70.7877, 0.2879, 0.2920



70.7877, 0.3235, 0.3046

Sweetspot

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



70.7908, 0.3371, 0.3681



99.0017, 0.3201, 0.3409



54.2258, 0.3423, 0.3277



21.1613, 0.3212, 0.3426



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.



70.7908, 0.3371, 0.3681



96.4892, 0.3416, 0.3754



68.7516, 0.3245, 0.3707



15.9674, 0.3268, 0.3516



38.5513, 0.4237, 0.5018



2.6911, 0.4230, 0.5023

Inverse Universe

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



51.2004, 0.2865, 0.2867



65.4187, 0.2811, 0.2780



53.0445, 0.2993, 0.2872



13.2981, 0.2981, 0.3054



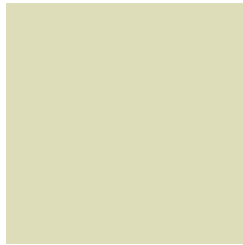
3.2285, 0.1505, 0.0617



0.2435, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 70.7877, 0.3371, 0.3681 looks on a white background.

Color Contrast Check

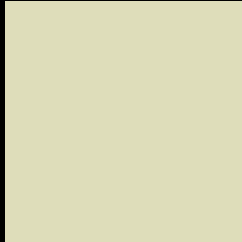
Large Text (above 18pt) WCAG AA × Fail

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 70.7877, 0.3371, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

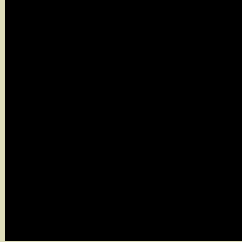
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

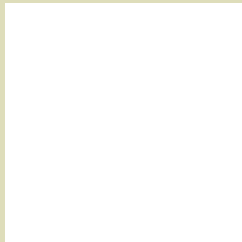
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7877, 0.3371, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 70.7877, 0.3371, 0.3681.



This preview shows how white text looks on a background with the Yxy color 70.7877, 0.3371, 0.3681.

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

70.7877, 0.3371, 0.3681

Protanopia

70.6345, 0.3453, 0.3652

Deuteranopia

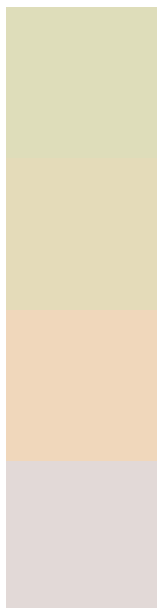
70.7286, 0.3602, 0.3531



Tritanopia

70.9211, 0.3107, 0.3109

Trichromacy



Original Color

70.7877, 0.3371, 0.3681

Protanomaly

70.6598, 0.3428, 0.3665

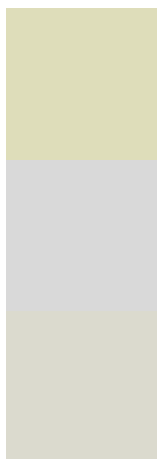
Deuteranomaly

70.7140, 0.3514, 0.3591

Tritanomaly

70.7008, 0.3206, 0.3312

Monochromacy



Original Color

70.7877, 0.3371, 0.3681

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6591, 0.3215, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7877, 0.3371, 0.3681 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(222, 221, 186)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 186)  
}
```

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(222, 221, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 186) }
```

Border

The CSS property to change the border of an element to Yxy 70.7877, 0.3371, 0.3681 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(222, 221, 186) }
```

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

```
.border{ border-color:rgb(222, 221, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 186);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7877, 0.3371, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 186) }
```

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

```
.background{ background-color: rgb(222,  
221, 186) }
```

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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