

Converting Colors

$Y_{xy}(70.7776, 0.3516, 0.3776)$

Have a look what the booklet for
Yxy(70.7776, 0.3516, 0.3776)
contains.

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Color

Yxy(70.5812, 0.3513, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	E6DBAF
RGB	230, 219, 175
RGB Percent	90%, 86%, 69%
CMY	0.0981, 0.1411, 0.3136
CMYK	0.00, 0.05, 0.24, 0.10
HSL	48°, 52%, 79%
HSV	48°, 24%, 90%
XYZ	65.7000, 70.5812, 50.7384
YIQ	217.2730, 20.6800, -11.3520

Conversions

Conversions Part 2

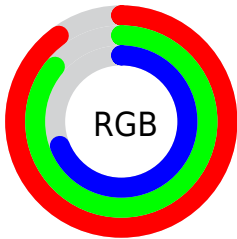
Format	Color
RYB	189, 230, 175
Decimal	15129519
CIELab	87.28, -3.09, 23.01
CIELCh	87, 23.221, 97.636
Yxy	70.5812, 0.3513, 0.3774
Android (android.graphics.Color)	4293319599 (0xFFE6DBAF)
YUV	217.2730, -20.8406, 11.1616
Hunter-Lab	84.0126, -7.4306, 23.0013

Details

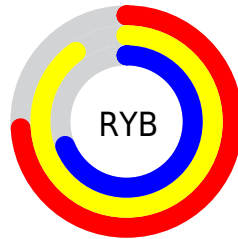
The Yxy color **70.5812, 0.3513, 0.3774** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.9516, 0.2731, 0.2754**, and the grayscale version is **69.7219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **36.9547, 0.3607, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **67.3933, 0.3689, 0.3981**, and if you desaturate by 10%, it is **73.9954, 0.3344, 0.3567**.

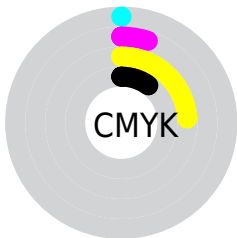
Distribution



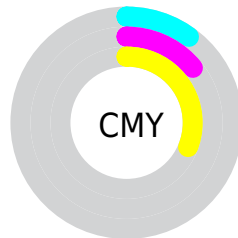
- Red (90%)
- Green (86%)
- Blue (69%)



- Red (74%)
- Yellow (90%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (10%)





- Cyan (10%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5812, 0.3513, 0.3774 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 70.5812, 0.3513, 0.3774 by changing the saturation by 10% instead.


 70.5812, 0.3513,
0.3774

 70.5812, 0.3513,
0.3774


462.5881, 0.3335,
0.3548

 52.0005, 0.3553,
0.3826


 120.0372, 0.3452,
0.3695

 37.0055, 0.3603,
0.3890


151.6813, 0.3428,
0.3665

 25.2117, 0.3664,
0.3971


188.4487, 0.3407,
0.3639

 16.2349, 0.3744,
0.4076

230.7237, 0.3389,
0.3616

 9.6905, 0.3849,
0.4218

278.8907, 0.3373,
0.3596

 5.1942, 0.3993,
0.4416

333.3342, 0.3359,

 2.3617, 0.4258,

0.3578

0.4782

394.4385, 0.3346,
0.3562

0.8061, 0.4615,
0.5385

0.0000, 0.0000,
0.0000

70.5812, 0.3513,
0.3774

70.5812, 0.3513,
0.3774

67.3933, 0.3689,
0.3981

73.9954, 0.3344,
0.3567

64.4139, 0.3868,
0.4180

77.6342, 0.3186,
0.3366

61.6372, 0.4043,
0.4362

81.5080, 0.3039,
0.3174

59.0533, 0.4206,
0.4517

84.8243, 0.2974,
0.3112

■ 56.6511, 0.4351,
0.4634

■ 87.5225, 0.2974,
0.3159

■ 54.4178, 0.4470,
0.4706

■ 90.2893, 0.2975,
0.3205

■ 52.3383, 0.4559,
0.4730

■ 93.1252, 0.2975,
0.3251

■ 51.1284, 0.4603,
0.4727

■ 95.5592, 0.2975,
0.3290

Harmonies

Analogous

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



70.5812, 0.3668, 0.3638



70.5812, 0.3513, 0.3774



70.5812, 0.3258, 0.3777

Triad

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



70.5812, 0.3513, 0.3774



70.5812, 0.2611, 0.3118



70.5812, 0.3264, 0.2982

Complementary

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



70.5812, 0.3513, 0.3774



49.9516, 0.2731, 0.2754

Split Complementary

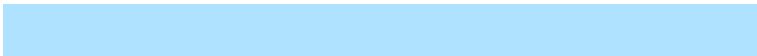
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5812, 0.2978, 0.2852



70.5812, 0.3513, 0.3774



70.5812, 0.2611, 0.2918

Square

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



70.5812, 0.3513, 0.3774



70.5812, 0.2741, 0.3382



70.5812, 0.2742, 0.2826



70.5812, 0.3522, 0.3186

Rectangle

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



70.5812, 0.3513, 0.3774



70.5812, 0.3068, 0.3695



70.5812, 0.2742, 0.2826



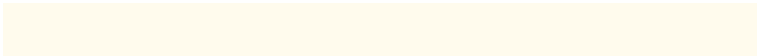
70.5812, 0.3168, 0.2928

Sweetspot

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



70.5844, 0.3513, 0.3774



96.6507, 0.3234, 0.3428



51.0415, 0.3525, 0.3166



20.6269, 0.3244, 0.3440



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.



70.5844, 0.3513, 0.3774



87.0585, 0.3605, 0.3884



73.8980, 0.3366, 0.3910



16.3027, 0.3272, 0.3477



29.1293, 0.4595, 0.4733



2.2772, 0.4525, 0.4789

Inverse Universe

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



49.9516, 0.2731, 0.2754



56.4450, 0.2633, 0.2616



47.5320, 0.2845, 0.2639



14.3507, 0.2980, 0.3096



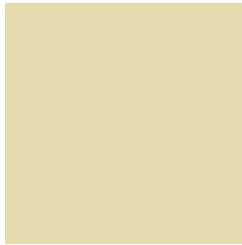
4.4741, 0.1556, 0.0799



0.4600, 0.1627, 0.1057

Previews

White Background



This preview shows how the Yxy color 70.5812, 0.3513, 0.3774 looks on a white background.

Color Contrast Check

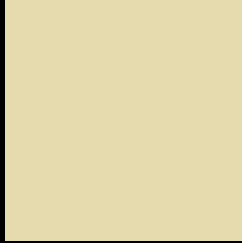
Large Text (above 18pt) WCAG AA × Fail

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 70.5812, 0.3513, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

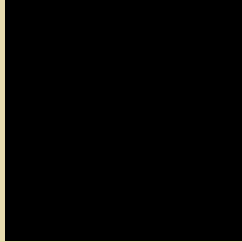
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

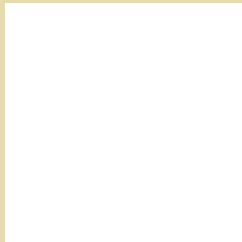
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5812, 0.3513, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 70.5812, 0.3513, 0.3774.



This preview shows how white text looks on a background with the Yxy color 70.5812, 0.3513, 0.3774.

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

70.5812, 0.3513, 0.3774

Protanopia

70.3938, 0.3531, 0.3761

Deuteranopia

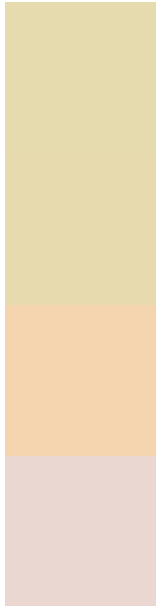
70.3383, 0.3712, 0.3634



Tritanopia

70.6929, 0.3201, 0.3123

Trichromacy



Original Color

70.5812, 0.3513, 0.3774

Protanomaly

70.2269, 0.3524, 0.3763

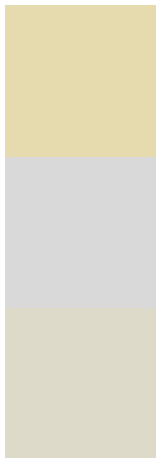
Deuteranomaly

70.1356, 0.3639, 0.3684

Tritanomaly

70.6968, 0.3309, 0.3355

Monochromacy



Original Color

70.5812, 0.3513, 0.3774

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9367, 0.3265, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5812, 0.3513, 0.3774 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(230, 219, 175)` looks like.

```
.text, #text, p{  
    color:rgb(230, 219, 175)  
}
```

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(230, 219, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 219, 175) }
```

Border

The CSS property to change the border of an element to Yxy 70.5812, 0.3513, 0.3774 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(230, 219, 175) }
```

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

```
.border{ border-color:rgb(230, 219, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 219, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 219, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 219, 175);  
box-shadow:4px 4px 4px 4px rgb(230, 219,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5812, 0.3513, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 219, 175) }
```

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

```
.background{ background-color: rgb(230,  
219, 175) }
```

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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