

Converting Colors

$Y_{xy}(70.2001, 0.3627, 0.3790)$

Have a look what the booklet for
Yxy(70.2001, 0.3627, 0.3790)
contains.

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Color

Yxy(70.3647, 0.3627, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	EFD8AA
RGB	239, 216, 170
RGB Percent	94%, 85%, 67%
CMY	0.0628, 0.1529, 0.3332
CMYK	0.00, 0.10, 0.29, 0.06
HSL	40°, 68%, 80%
HSV	40°, 29%, 94%
XYZ	67.4096, 70.3647, 48.0807
YIQ	217.6330, 28.4740, -9.4300

Conversions

Conversions Part 2

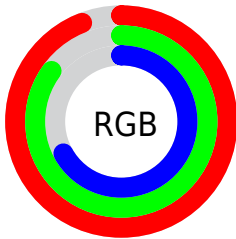
Format	Color
RYB	205, 239, 170
Decimal	15718570
CIELab	87.18, 1.17, 25.59
CIELCh	87, 25.615, 87.378
Yxy	70.3647, 0.3627, 0.3786
Android (android.graphics.Color)	4293908650 (0xFFEFD8AA)
YUV	217.6330, -23.4831, 18.7389
Hunter-Lab	83.8837, -3.3524, 24.7346

Details

The Yxy color **70.3647, 0.3627, 0.3786** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.9373, 0.2650, 0.2738**, and the grayscale version is **69.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **36.7428, 0.3739, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **65.5592, 0.3829, 0.3962**, and if you desaturate by 10%, it is **75.5391, 0.3439, 0.3609**.

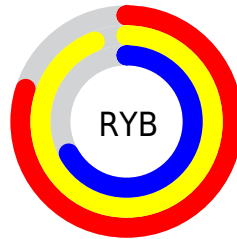
Distribution



Red (94%)

Green (85%)

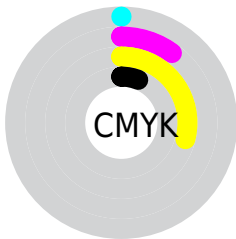
Blue (67%)



Red (80%)

Yellow (94%)

Blue (67%)

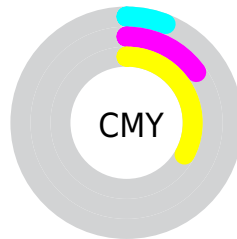


Cyan (0%)

Magenta (10%)

Yellow (29%)

Black (6%)



Cyan (6%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3647, 0.3627, 0.3786 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 70.3647, 0.3627, 0.3786 by changing the saturation by 10% instead.

 70.3647, 0.3627,
0.3786

 70.3647, 0.3627,
0.3786

461.8295, 0.3395,
0.3557

 51.8239, 0.3680,
0.3838


 119.7287, 0.3547,
0.3707

 36.8647, 0.3744,
0.3901


151.3207, 0.3516,
0.3676

 25.1028, 0.3825,
0.3980


188.0319, 0.3489,
0.3650

 16.1536, 0.3929,
0.4081

230.2466, 0.3465,
0.3626

 9.6329, 0.4067,
0.4214

278.3494, 0.3445,
0.3606

 5.1563, 0.4255,
0.4393

332.7245, 0.3426,

 2.3392, 0.4651,

0.3588

0.4775

393.7564, 0.3410,
0.3572

0.7944, 0.4966,
0.5034

0.0000, 0.0000,
0.0000

70.3647, 0.3627,
0.3786

70.3647, 0.3627,
0.3786

65.5592, 0.3829,
0.3962

75.5391, 0.3439,
0.3609

61.1012, 0.4039,
0.4128

81.0837, 0.3266,
0.3436

56.9814, 0.4252,
0.4274

87.0120, 0.3110,
0.3272

53.1860, 0.4457,
0.4389

92.6294, 0.3030,
0.3220

■ 49.6996, 0.4645,
0.4462

■ 97.0895, 0.3029,
0.3290

■ 46.5047, 0.4805,
0.4485

■ 43.5761, 0.4933,
0.4458

■ 43.2527, 0.4947,
0.4454

Harmonies

Analogous

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



70.3647, 0.3747, 0.3596



70.3647, 0.3627, 0.3786



70.3647, 0.3374, 0.3847

Triad

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



70.3647, 0.3627, 0.3786



70.3647, 0.2593, 0.3193



70.3647, 0.3168, 0.2892

Complementary

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



70.3647, 0.3627, 0.3786



52.9373, 0.2650, 0.2738

Split Complementary

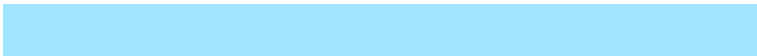
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.3647, 0.2863, 0.2785



70.3647, 0.3627, 0.3786



70.3647, 0.2543, 0.2941

Square

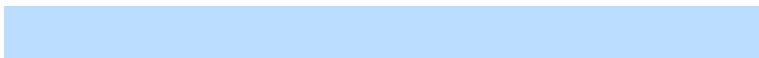
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3647, 0.3627, 0.3786



70.3647, 0.2779, 0.3493



70.3647, 0.2640, 0.2799



70.3647, 0.3475, 0.3092

Rectangle

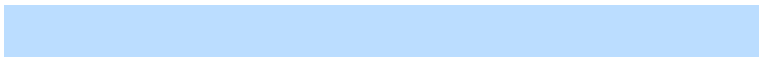
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3647, 0.3627, 0.3786



70.3647, 0.3168, 0.3795



70.3647, 0.2640, 0.2799



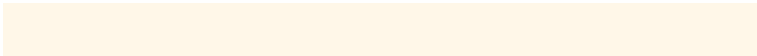
70.3647, 0.3062, 0.2844

Sweetspot

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



70.3679, 0.3627, 0.3786



93.8238, 0.3269, 0.3439



51.0190, 0.3543, 0.3026



19.8758, 0.3293, 0.3464



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.



70.3679, 0.3627, 0.3786



77.9861, 0.3752, 0.3897



81.2335, 0.3489, 0.4030



17.5194, 0.3276, 0.3447



24.1551, 0.4932, 0.4466



2.1915, 0.4810, 0.4563

Inverse Universe

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



52.9373, 0.2650, 0.2738



54.5577, 0.2538, 0.2595



44.7479, 0.2695, 0.2468



16.0898, 0.2980, 0.3128



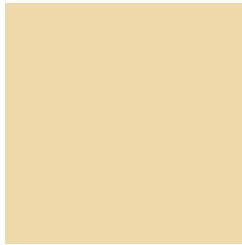
6.8043, 0.1634, 0.1080



0.7423, 0.1706, 0.1341

Previews

White Background



This preview shows how the Yxy color 70.3647, 0.3627, 0.3786 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 70.3647, 0.3627, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

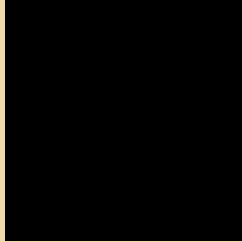
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3647, 0.3627, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 70.3647, 0.3627, 0.3786.



This preview shows how white text looks on a background with the Yxy color 70.3647, 0.3627, 0.3786.

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

70.3647, 0.3627, 0.3786

Protanopia

70.4067, 0.3568, 0.3804

Deuteranopia

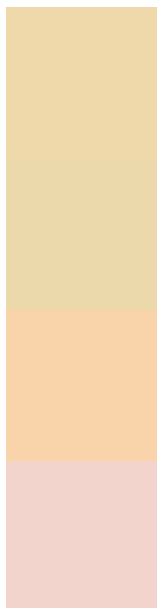
70.3317, 0.3758, 0.3684



Tritanopia

70.4496, 0.3285, 0.3125

Trichromacy



Original Color

70.3647, 0.3627, 0.3786

Protanomaly

70.2282, 0.3586, 0.3791

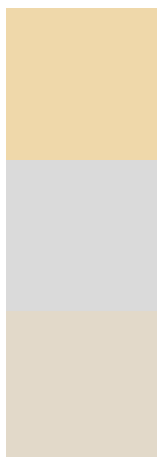
Deuteranomaly

70.1670, 0.3711, 0.3722

Tritanomaly

70.5494, 0.3411, 0.3365

Monochromacy



Original Color

70.3647, 0.3627, 0.3786

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.0115, 0.3303, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3647, 0.3627, 0.3786 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(239, 216, 170)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 170)  
}
```

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(239, 216, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 170) }
```

Border

The CSS property to change the border of an element to Yxy 70.3647, 0.3627, 0.3786 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(239, 216, 170) }
```

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

```
.border{ border-color:rgb(239, 216, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 216, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 170);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3647, 0.3627, 0.3786$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 170) }
```

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

```
.background{ background-color: rgb(239,  
216, 170) }
```

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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