

Converting Colors

$Yxy(70.4371, 0.3587, 0.3779)$

Have a look what the booklet for
Yxy(70.4371, 0.3587, 0.3779)
contains.

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Color

Yxy(70.4371, 0.3587, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	ECD9AC
RGB	236, 217, 172
RGB Percent	93%, 85%, 67%
CMY	0.0744, 0.1490, 0.3255
CMYK	0.00, 0.08, 0.27, 0.07
HSL	42°, 63%, 80%
HSV	42°, 27%, 93%
XYZ	66.8584, 70.4371, 49.0953
YIQ	217.5510, 25.7690, -9.9670

Conversions

Conversions Part 2

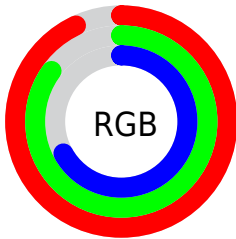
Format	Color
RYB	199, 236, 172
Decimal	15522220
CIELab	87.21, -0.20, 24.59
CIELCh	87, 24.586, 90.465
Yxy	70.4371, 0.3587, 0.3779
Android (android.graphics.Color)	4293712300 (0xFFECD9AC)
YUV	217.5510, -22.4566, 16.1798
Hunter-Lab	83.9268, -4.6739, 24.0654

Details

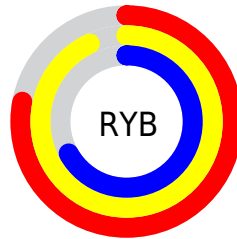
The Yxy color **70.4371, 0.3587, 0.3779** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.1006, 0.2678, 0.2747**, and the grayscale version is **69.9336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **36.7563, 0.3694, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **66.0721, 0.3780, 0.3963**, and if you desaturate by 10%, it is **75.1233, 0.3405, 0.3594**.

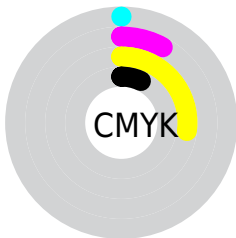
Distribution



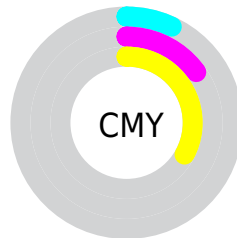
- Red (93%)
- Green (85%)
- Blue (67%)



- Red (78%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (27%)
- Black (7%)




- Cyan (7%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4371, 0.3587, 0.3779 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 70.4371, 0.3587, 0.3779 by changing the saturation by 10% instead.


 70.4371, 0.3587,
0.3779

 70.4371, 0.3587,
0.3779


462.0833, 0.3374,
0.3553

 51.8830, 0.3635,
0.3830


 119.8319, 0.3513,
0.3701

 36.9118, 0.3694,
0.3893


151.4413, 0.3485,
0.3670

 25.1392, 0.3769,
0.3973


188.1713, 0.3460,
0.3644

 16.1808, 0.3865,
0.4075

230.4062, 0.3438,
0.3621

 9.6522, 0.3991,
0.4210

278.5305, 0.3419,
0.3601

 5.1690, 0.4165,
0.4396

332.9285, 0.3403,

 2.3467, 0.4511,

0.3583

0.4766

393.9846, 0.3388,
0.3567

0.7983, 0.4857,
0.5143

0.0000, 0.0000,
0.0000

70.4371, 0.3587,
0.3779

70.4371, 0.3587,
0.3779

66.0721, 0.3780,
0.3963

75.1233, 0.3405,
0.3594

62.0084, 0.3981,
0.4139

80.1309, 0.3238,
0.3414

58.2379, 0.4183,
0.4297

85.4723, 0.3085,
0.3242

54.7483, 0.4376,
0.4425

90.3999, 0.3012,
0.3191

■ 51.5259, 0.4552,
0.4512

■ 94.7274, 0.3012,
0.3261

■ 48.5549, 0.4701,
0.4551

■ 96.5785, 0.3012,
0.3290

■ 45.8155, 0.4818,
0.4540

■ 45.0644, 0.4849,
0.4532

Harmonies

Analogous

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



70.4371, 0.3717, 0.3608



70.4371, 0.3587, 0.3779



70.4371, 0.3335, 0.3821

Triad

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



70.4371, 0.3587, 0.3779



70.4371, 0.2602, 0.3170



70.4371, 0.3199, 0.2923

Complementary

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



70.4371, 0.3587, 0.3779



52.1006, 0.2678, 0.2747

Split Complementary

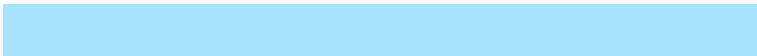
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4371, 0.2902, 0.2810



70.4371, 0.3587, 0.3779



70.4371, 0.2569, 0.2936

Square

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



70.4371, 0.3587, 0.3779



70.4371, 0.2769, 0.3456



70.4371, 0.2676, 0.2811



70.4371, 0.3488, 0.3123

Rectangle

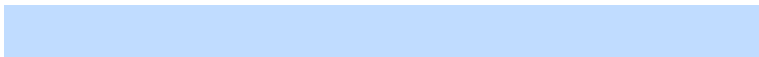
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4371, 0.3587, 0.3779



70.4371, 0.3135, 0.3759



70.4371, 0.2676, 0.2811



70.4371, 0.3096, 0.2874

Sweetspot

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



70.4403, 0.3587, 0.3779



94.9469, 0.3252, 0.3429



51.1100, 0.3540, 0.3078



20.1253, 0.3277, 0.3456



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.



70.4403, 0.3587, 0.3779



80.7806, 0.3702, 0.3890



78.7117, 0.3444, 0.3989



16.8269, 0.3275, 0.3455



25.0687, 0.4836, 0.4542



2.1347, 0.4725, 0.4630

Inverse Universe

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



52.1006, 0.2678, 0.2747



55.2795, 0.2569, 0.2605



45.8483, 0.2750, 0.2529



15.2787, 0.2980, 0.3120



5.9596, 0.1609, 0.0993



0.6303, 0.1685, 0.1265

Previews

White Background



This preview shows how the Yxy color 70.4371, 0.3587, 0.3779 looks on a white background.

Color Contrast Check

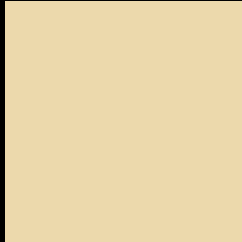
Large Text (above 18pt) WCAG AA × Fail

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 70.4371, 0.3587, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

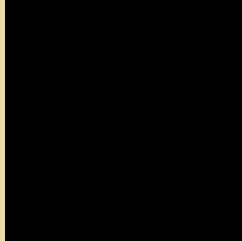
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

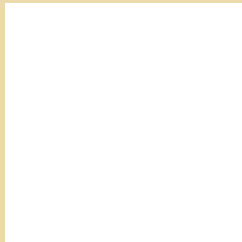
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4371, 0.3587, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 70.4371, 0.3587, 0.3779.

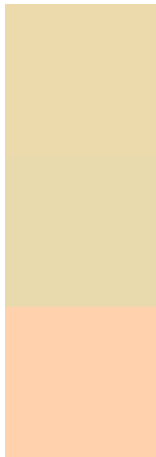


This preview shows how white text looks on a background with the Yxy color 70.4371, 0.3587, 0.3779.

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

70.4371, 0.3587, 0.3779

Protanopia

70.4836, 0.3553, 0.3782

Deuteranopia

70.3703, 0.3750, 0.3674



Tritanopia

70.6389, 0.3262, 0.3125

Trichromacy



Original Color

70.4371, 0.3587, 0.3779

Protanomaly

70.6524, 0.3561, 0.3781

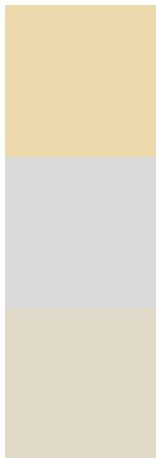
Deuteranomaly

70.5621, 0.3685, 0.3712

Tritanomaly

70.5700, 0.3379, 0.3365

Monochromacy



Original Color

70.4371, 0.3587, 0.3779

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.3674, 0.3294, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4371, 0.3587, 0.3779 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, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 172)  
}
```

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, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 172) }
```

Border

The CSS property to change the border of an element to Yxy 70.4371, 0.3587, 0.3779 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, 217, 172) }
```

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

```
.border{ border-color:rgb(236, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4371, 0.3587, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 172) }
```

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

```
.background{ background-color: rgb(236,  
217, 172) }
```

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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