

Converting Colors

$Yxy(69.9232, 0.3589, 0.3769)$

Have a look what the booklet for
Yxy(69.9232, 0.3589, 0.3769)
contains.

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Color

Yxy(69.9232, 0.3589, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	ECD8AC
RGB	236, 216, 172
RGB Percent	93%, 85%, 67%
CMY	0.0747, 0.1529, 0.3255
CMYK	0.00, 0.08, 0.27, 0.07
HSL	41°, 63%, 80%
HSV	41°, 27%, 93%
XYZ	66.5838, 69.9232, 49.0149
YIQ	216.9640, 26.0440, -9.4440

Conversions

Conversions Part 2

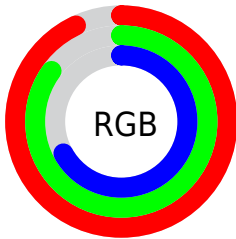
Format	Color
RYB	201, 236, 172
Decimal	15521964
CIELab	86.96, 0.28, 24.24
CIELCh	87, 24.237, 89.348
Yxy	69.9232, 0.3589, 0.3769
Android (android.graphics.Color)	4293712044 (0xFFECD8AC)
YUV	216.9640, -22.1673, 16.6946
Hunter-Lab	83.6201, -4.2017, 23.7805

Details

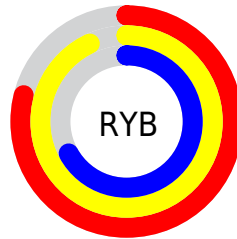
The Yxy color **69.9232, 0.3589, 0.3769** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.4955, 0.2680, 0.2759**, and the grayscale version is **69.5021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **36.4054, 0.3699, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **65.4132, 0.3785, 0.3950**, and if you desaturate by 10%, it is **74.7692, 0.3406, 0.3587**.

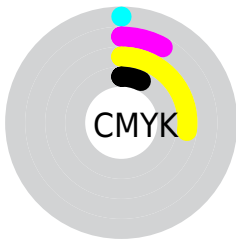
Distribution



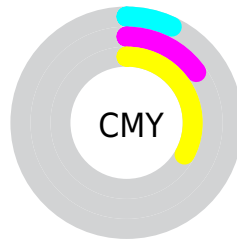
- Red (93%)
- Green (85%)
- Blue (67%)



- Red (79%)
- 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 69.9232, 0.3589, 0.3769 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 69.9232, 0.3589, 0.3769 by changing the saturation by 10% instead.


 69.9232, 0.3589,
0.3769

 69.9232, 0.3589,
0.3769


460.2803, 0.3375,
0.3547

 51.4639, 0.3638,
0.3819

 119.0992, 0.3515,
0.3692

 36.5780, 0.3698,
0.3881


150.5848, 0.3486,
0.3662

 24.8809, 0.3773,
0.3959


187.1812, 0.3461,
0.3636

 15.9883, 0.3870,
0.4059

229.2729, 0.3439,
0.3614

 9.5159, 0.3999,
0.4192

277.2443, 0.3420,
0.3594

 5.0792, 0.4176,
0.4374

331.4797, 0.3403,

 2.2938, 0.4534,

0.3577

0.4743

392.3636, 0.3388,
0.3561

0.7704, 0.4896,
0.5104

0.0000, 0.0000,
0.0000

69.9232, 0.3589,
0.3769

69.9232, 0.3589,
0.3769

65.4132, 0.3785,
0.3950

74.7692, 0.3406,
0.3587

61.2191, 0.3989,
0.4123

79.9518, 0.3237,
0.3411

57.3324, 0.4195,
0.4278

85.4836, 0.3085,
0.3242

53.7407, 0.4394,
0.4403

90.6187, 0.3011,
0.3195

■ 50.4298, 0.4576,
0.4488

■ 95.1689, 0.3011,
0.3268

■ 47.3837, 0.4731,
0.4525

■ 96.5658, 0.3011,
0.3290

■ 44.5823, 0.4855,
0.4511

■ 43.8088, 0.4888,
0.4501

Harmonies

Analogous

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



69.9232, 0.3712, 0.3596



69.9232, 0.3589, 0.3769



69.9232, 0.3343, 0.3816

Triad

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



69.9232, 0.3589, 0.3769



69.9232, 0.2612, 0.3181



69.9232, 0.3187, 0.2921

Complementary

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



69.9232, 0.3589, 0.3769



52.4955, 0.2680, 0.2759

Split Complementary

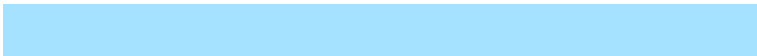
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9232, 0.2894, 0.2813



69.9232, 0.3589, 0.3769



69.9232, 0.2574, 0.2948

Square

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



69.9232, 0.3589, 0.3769



69.9232, 0.2782, 0.3464



69.9232, 0.2675, 0.2819



69.9232, 0.3474, 0.3116

Rectangle

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



69.9232, 0.3589, 0.3769



69.9232, 0.3147, 0.3759



69.9232, 0.2675, 0.2819



69.9232, 0.3085, 0.2874

Sweetspot

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



69.9264, 0.3589, 0.3769



94.7645, 0.3252, 0.3427



51.1470, 0.3529, 0.3066



20.0792, 0.3277, 0.3453



0.0000, 0.0000, 0.0000



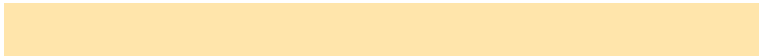
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9264, 0.3589, 0.3769



80.1048, 0.3706, 0.3879



78.8301, 0.3451, 0.3987



16.7887, 0.3276, 0.3452



24.3988, 0.4874, 0.4512



2.0861, 0.4756, 0.4605

Inverse Universe

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



52.4955, 0.2680, 0.2759



55.8309, 0.2571, 0.2620



45.7143, 0.2742, 0.2528



15.3150, 0.2980, 0.3123



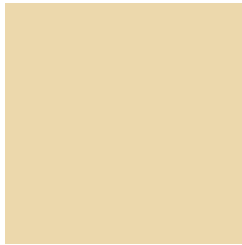
6.2093, 0.1619, 0.1028



0.6536, 0.1695, 0.1302

Previews

White Background



This preview shows how the Yxy color 69.9232, 0.3589, 0.3769 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 69.9232, 0.3589, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

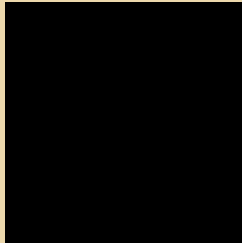
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9232, 0.3589, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 69.9232, 0.3589, 0.3769.



This preview shows how white text looks on a background with the Yxy color 69.9232, 0.3589, 0.3769.

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

69.9232, 0.3589, 0.3769

Protanopia

69.7986, 0.3548, 0.3773

Deuteranopia

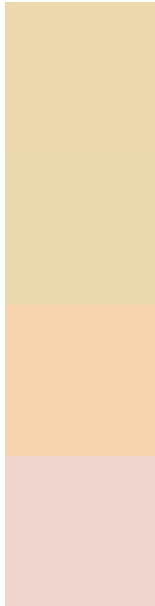
69.6889, 0.3746, 0.3665



Tritanopia

69.9144, 0.3262, 0.3124

Trichromacy



Original Color

69.9232, 0.3589, 0.3769

Protanomaly

69.9665, 0.3556, 0.3772

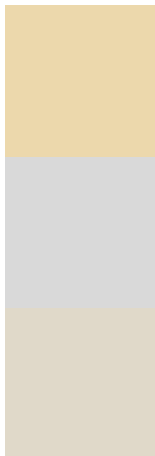
Deuteranomaly

69.8783, 0.3680, 0.3703

Tritanomaly

70.0685, 0.3381, 0.3354

Monochromacy



Original Color

69.9232, 0.3589, 0.3769

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6900, 0.3288, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9232, 0.3589, 0.3769 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, 216, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 216, 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, 216, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 216, 172) }
```

Border

The CSS property to change the border of an element to Yxy 69.9232, 0.3589, 0.3769 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, 216, 172) }
```

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

```
.border{ border-color:rgb(236, 216, 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, 216, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 216, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 216, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 216,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9232, 0.3589, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 216, 172) }
```

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

```
.background{ background-color: rgb(236,  
216, 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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