

Converting Colors

$Y_{xy}(70.3082, 0.3668, 0.3932)$

Have a look what the booklet for
Yxy(70.3082, 0.3668, 0.3932)
contains.

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Color

Yxy(70.3082, 0.3668, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	EBDA9F
RGB	235, 218, 159
RGB Percent	92%, 85%, 62%
CMY	0.0785, 0.1451, 0.3765
CMYK	0.00, 0.07, 0.32, 0.08
HSL	47°, 66%, 77%
HSV	47°, 32%, 92%
XYZ	65.5876, 70.3082, 42.9145
YIQ	216.3570, 29.0710, -14.7450

Conversions

Conversions Part 2

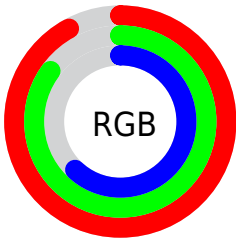
Format	Color
R _Y B	181, 235, 159
Decimal	15456927
CIE Lab	87.15, -2.76, 31.20
CIE LCh	87, 31.326, 95.060
Yxy	70.3082, 0.3668, 0.3932
Android (android.graphics.Color)	4293647007 (0xFFEBDA9F)
YUV	216.3570, -28.2770, 16.3499
Hunter-Lab	83.8500, -7.1145, 28.3503

Details

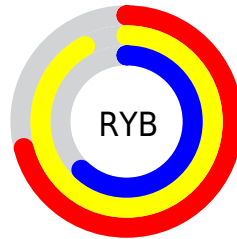
The Yxy color $70.3082, 0.3668, 0.3932$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $44.4116, 0.2575, 0.2552$, and the grayscale version is $69.1083, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.6350, 0.3370, 0.3691$, and $36.7209, 0.3789, 0.4079$ is the 20% darker color. If you saturate the color by 10%, you get $66.8911, 0.3851, 0.4129$, and if you desaturate by 10%, it is $73.9731, 0.3489, 0.3730$.

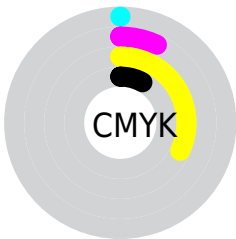
Distribution



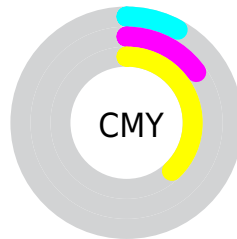
- Red (92%)
- Green (85%)
- Blue (62%)



- Red (71%)
- Yellow (92%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (32%)
- Black (8%)





- Cyan (8%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3082, 0.3668, 0.3932 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 70.3082, 0.3668, 0.3932 by changing the saturation by 10% instead.


 70.3082, 0.3668,
0.3932

 70.3082, 0.3668,
0.3932


461.6314, 0.3420,
0.3634

 51.7778, 0.3723,
0.3999


 119.6482, 0.3583,
0.3829

 36.8280, 0.3790,
0.4082


 151.2266, 0.3550,
0.3789

 25.0744, 0.3874,
0.4184


187.9231, 0.3521,
0.3754

 16.1325, 0.3978,
0.4316

230.1221, 0.3495,
0.3724

 9.6179, 0.4112,
0.4487

278.2081, 0.3473,
0.3698

 5.1464, 0.4283,
0.4713

332.5653, 0.3453,

 2.3334, 0.4727,

0.3674

0.5273

393.5783, 0.3436,
0.3653

0.7913, 0.4639,
0.5361

0.0000, 0.0000,
0.0000

70.3082, 0.3668,
0.3932

70.3082, 0.3668,
0.3932

66.8911, 0.3851,
0.4129

73.9731, 0.3489,
0.3730

63.7025, 0.4034,
0.4310

77.8851, 0.3320,
0.3529

60.7352, 0.4207,
0.4466

82.0556, 0.3162,
0.3334

57.9775, 0.4364,
0.4585

86.4925, 0.3017,
0.3150

■ 55.4161, 0.4496,
0.4661

■ 89.7405, 0.3006,
0.3183

■ 53.0350, 0.4599,
0.4688

■ 92.9502, 0.3005,
0.3235

■ 51.3136, 0.4661,
0.4681

■ 96.2507, 0.3005,
0.3287

■ 96.4003, 0.3005,
0.3290

Harmonies

Analogous

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



70.3082, 0.3867, 0.3726



70.3082, 0.3668, 0.3932



70.3082, 0.3329, 0.3965

Triad

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



70.3082, 0.3668, 0.3932



70.3082, 0.2448, 0.3078



70.3082, 0.3275, 0.2862

Complementary

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



70.3082, 0.3668, 0.3932



44.4116, 0.2575, 0.2552

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.



70.3082, 0.2892, 0.2702



70.3082, 0.3668, 0.3932



70.3082, 0.2434, 0.2804

Square

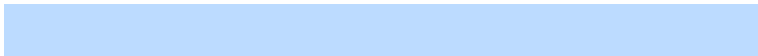
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3082, 0.3668, 0.3932



70.3082, 0.2631, 0.3443



70.3082, 0.2591, 0.2676



70.3082, 0.3636, 0.3121

Rectangle

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



70.3082, 0.3668, 0.3932



70.3082, 0.3074, 0.3866



70.3082, 0.2591, 0.2676



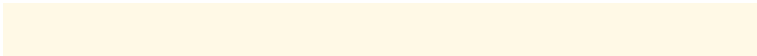
70.3082, 0.3144, 0.2795

Sweetspot

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



70.3114, 0.3668, 0.3932



94.8834, 0.3283, 0.3483



45.6206, 0.3698, 0.3091



20.1605, 0.3306, 0.3511



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.



70.3114, 0.3668, 0.3932



81.7973, 0.3793, 0.4068



76.3193, 0.3466, 0.4139



17.0228, 0.3273, 0.3472



28.7602, 0.4652, 0.4689



2.3985, 0.4575, 0.4749

Inverse Universe

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



44.4116, 0.2575, 0.2552



45.9932, 0.2444, 0.2364



40.4095, 0.2702, 0.2371



15.0948, 0.2980, 0.3101



4.8867, 0.1567, 0.0839



0.5242, 0.1637, 0.1091

Previews

White Background



This preview shows how the Yxy color 70.3082, 0.3668, 0.3932 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 70.3082, 0.3668, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

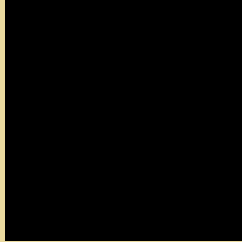
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3082, 0.3668, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 70.3082, 0.3668, 0.3932.



This preview shows how white text looks on a background with the Yxy color 70.3082, 0.3668, 0.3932.

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

70.3082, 0.3668, 0.3932

Protanopia

70.3082, 0.3668, 0.3932

Deuteranopia

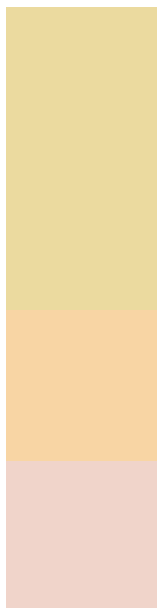
70.1432, 0.3796, 0.3736



Tritanopia

70.1466, 0.3263, 0.3114

Trichromacy



Original Color

70.3082, 0.3668, 0.3932

Protanomaly

70.3082, 0.3668, 0.3932

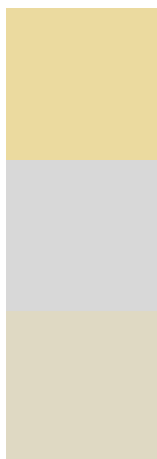
Deuteranomaly

70.2253, 0.3752, 0.3807

Tritanomaly

69.8765, 0.3410, 0.3397

Monochromacy



Original Color

70.3082, 0.3668, 0.3932

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2538, 0.3323, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3082, 0.3668, 0.3932 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(235, 218, 159)` looks like.

```
.text, #text, p{  
    color:rgb(235, 218, 159)  
}
```

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(235, 218, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 218, 159) }
```

Border

The CSS property to change the border of an element to Yxy 70.3082, 0.3668, 0.3932 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(235, 218, 159) }
```

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

```
.border{ border-color:rgb(235, 218, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 218, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 218, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 218, 159);  
box-shadow:4px 4px 4px 4px rgb(235, 218,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3082, 0.3668, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 218, 159) }
```

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

```
.background{ background-color: rgb(235,  
218, 159) }
```

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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