

Converting Colors

$Y_{xy}(48.3884, 0.4442, 0.4400)$

Have a look what the booklet for
Yxy(48.3884, 0.4442, 0.4400)
contains.

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Color

Yxy(48.3932, 0.4442, 0.4400)

Conversions

Conversions Part 1

Format	Color
Hex	E4B147
RGB	228, 177, 71
RGB Percent	89%, 69%, 28%
CMY	0.1059, 0.3059, 0.7213
CMYK	0.00, 0.22, 0.69, 0.11
HSL	41°, 74%, 59%
HSV	41°, 69%, 89%
XYZ	48.8551, 48.3932, 12.7362
YIQ	180.1650, 64.4220, -22.1540

Conversions

Conversions Part 2

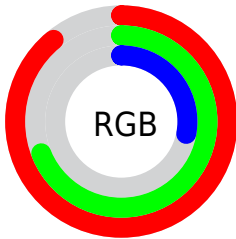
Format	Color
RYB	147, 228, 71
Decimal	14987591
CIELab	75.07, 7.97, 59.21
CIELCh	75, 59.744, 82.334
Yxy	48.3932, 0.4442, 0.4400
Android (android.graphics.Color)	4293177671 (0xFFE4B147)
YUV	180.1650, -53.8183, 41.9513
Hunter-Lab	69.5652, 3.6201, 37.8407

Details

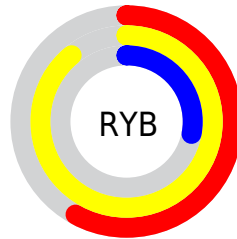
The Yxy color **48.3932, 0.4442, 0.4400** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **20.8740, 0.1954, 0.1730**, and the grayscale version is **46.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4285, 0.3988, 0.4351**, and **23.1220, 0.4717, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **45.3078, 0.4626, 0.4475**, and if you desaturate by 10%, it is **51.7520, 0.4240, 0.4283**.

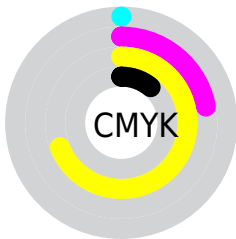
Distribution



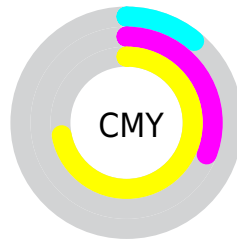
- Red (89%)
- Green (69%)
- Blue (28%)



- Red (58%)
- Yellow (89%)
- Blue (28%)



- Cyan (0%)
- Magenta (22%)
- Yellow (69%)
- Black (11%)





- Cyan (11%)
- Magenta (31%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3932, 0.4442, 0.4400 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 48.3932, 0.4442, 0.4400 by changing the saturation by 10% instead.


 48.3932, 0.4442,
0.4400


 48.3932, 0.4442,
0.4400


380.3486, 0.3829,
0.3907


 34.1384, 0.4570,
0.4493


 87.7896, 0.4236,
0.4241

 22.9999, 0.4716,
0.4594


 113.6999, 0.4153,
0.4175


 14.5934, 0.4878,
0.4693


 144.2641, 0.4081,
0.4117

 8.5346, 0.5114,
0.4836


 179.8667, 0.4018,
0.4065

 4.4389, 0.5203,
0.4797

 220.8921, 0.3962,
0.4019

 1.9220, 0.5306,
0.4694

267.7246, 0.3913,

 0.5615, 0.5646,

0.3978

0.4354

320.7486, 0.3868,
0.3941

0.0000, 0.0000,
0.0000

48.3932, 0.4442,
0.4400

48.3932, 0.4442,
0.4400

45.3078, 0.4626,
0.4475

51.7520, 0.4240,
0.4283

42.4732, 0.4782,
0.4501

55.3905, 0.4031,
0.4135

39.8695, 0.4908,
0.4478


59.3232, 0.3823,
0.3967

39.5777, 0.4922,
0.4474


63.5611, 0.3623,
0.3790

68.1143, 0.3437,
0.3612

 72.9926, 0.3265,
0.3437

 78.2048, 0.3110,
0.3271

 83.7598, 0.2970,
0.3115

 88.2200, 0.2962,
0.3175

Harmonies

Analogous

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



48.3932, 0.4750, 0.3828



48.3932, 0.4442, 0.4400



48.3932, 0.3801, 0.4782

Triad

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



48.3932, 0.4442, 0.4400



48.3932, 0.1863, 0.3091



48.3932, 0.3056, 0.2285

Complementary

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



48.3932, 0.4442, 0.4400



20.8740, 0.1954, 0.1730

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.



48.3932, 0.2336, 0.2077



48.3932, 0.4442, 0.4400



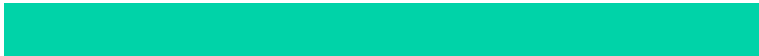
48.3932, 0.1726, 0.2434

Square

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



48.3932, 0.4442, 0.4400



48.3932, 0.2316, 0.3979



48.3932, 0.1887, 0.2111



48.3932, 0.3903, 0.2694

Rectangle

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



48.3932, 0.4442, 0.4400



48.3932, 0.3286, 0.4781



48.3932, 0.1887, 0.2111



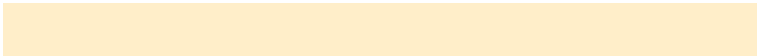
48.3932, 0.2791, 0.2191

Sweetspot

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



48.3956, 0.4442, 0.4400



86.4153, 0.3478, 0.3653



22.4466, 0.4644, 0.2754



18.1442, 0.3530, 0.3702



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.



48.3956, 0.4442, 0.4400



56.6530, 0.4703, 0.4494



68.4749, 0.3853, 0.4960



15.9863, 0.3276, 0.3448



23.0786, 0.4908, 0.4485



1.8726, 0.4777, 0.4589

Inverse Universe

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



20.8740, 0.1954, 0.1730



19.3554, 0.1760, 0.1370



12.6682, 0.1953, 0.1166



14.6480, 0.2981, 0.3127



6.2602, 0.1628, 0.1062



0.6267, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 48.3932, 0.4442, 0.4400 looks on a white background.

Color Contrast Check

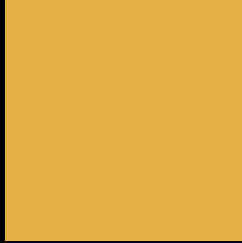
Large Text (above 18pt) WCAG AA × Fail

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 48.3932, 0.4442, 0.4400 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 48.3932, 0.4442, 0.4400

Background



This preview shows how black text looks on a background with the Yxy color 48.3932, 0.4442, 0.4400.



This preview shows how white text looks on a background with the Yxy color 48.3932, 0.4442, 0.4400.

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

48.3932, 0.4442, 0.4400

Protanopia

48.3008, 0.4167, 0.4573

Deuteranopia

48.4945, 0.4477, 0.4376



Tritanopia

48.3600, 0.3666, 0.3146

Trichromacy



Original Color

48.3932, 0.4442, 0.4400

Protanomaly

48.2199, 0.4269, 0.4511

Deuteranomaly

48.3286, 0.4469, 0.4381

Tritanomaly

47.9665, 0.3994, 0.3635

Monochromacy



Original Color

48.3932, 0.4442, 0.4400

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0040, 0.3619, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3932, 0.4442, 0.4400 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(228, 177, 71)` looks like.

```
.text, #text, p{  
    color:rgb(228, 177, 71)  
}
```

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(228, 177, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 177, 71) }
```

Border

The CSS property to change the border of an element to Yxy 48.3932, 0.4442, 0.4400 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(228, 177, 71) }
```

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

```
.border{ border-color:rgb(228, 177, 71) }
```

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

Here you see how a box with a 4 pixel rgb(228, 177, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 177, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 177, 71);  
box-shadow:4px 4px 4px 4px rgb(228, 177,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3932, 0.4442, 0.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 177, 71) }
```

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

```
.background{ background-color: rgb(228,  
177, 71) }
```

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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