

Converting Colors

$Y_{xy}(50.6391, 0.4013, 0.3891)$

Have a look what the booklet for
Yxy(50.6391, 0.4013, 0.3891)
contains.

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Color

Yxy(50.6950, 0.4005, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	E4B480
RGB	228, 180, 128
RGB Percent	89%, 71%, 50%
CMY	0.1060, 0.2941, 0.4981
CMYK	0.00, 0.21, 0.44, 0.11
HSL	31°, 65%, 70%
HSV	31°, 44%, 89%
XYZ	52.2071, 50.6950, 27.4527
YIQ	188.4240, 45.3000, -5.9960

Conversions

Conversions Part 2

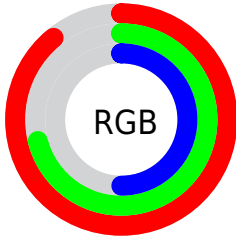
Format	Color
R_{YB}	220, 228, 128
Decimal	14988416
CIE Lab	76.49, 10.80, 33.12
CIE LCh	76, 34.840, 71.940
Yxy	50.6950, 0.4005, 0.3889
Android (android.graphics.Color)	4293178496 (0xFFE4B480)
YUV	188.4240, -29.7890, 34.7082
Hunter-Lab	71.2004, 6.2829, 26.9799

Details

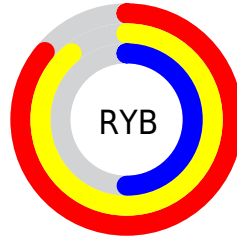
The Yxy color **50.6950, 0.4005, 0.3889** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.2231, 0.2417, 0.2593**, and the grayscale version is **50.6969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5871, 0.3617, 0.3845**, and **24.3867, 0.4243, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **45.9196, 0.4262, 0.4015**, and if you desaturate by 10%, it is **55.9585, 0.3766, 0.3751**.

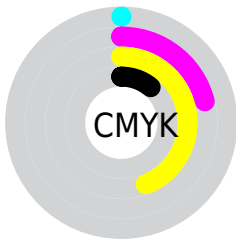
Distribution



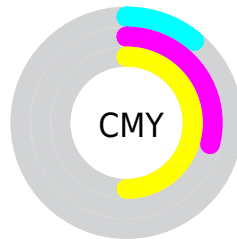
- Red (89%)
- Green (71%)
- Blue (50%)



- Red (86%)
- Yellow (89%)
- Blue (50%)



- Cyan (0%)
- Magenta (21%)
- Yellow (44%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6950, 0.4005, 0.3889 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 50.6950, 0.4005, 0.3889 by changing the saturation by 10% instead.


 50.6950, 0.4005,
0.3889

 50.6950, 0.4005,
0.3889


389.3776, 0.3575,
0.3610


 35.9659, 0.4108,
0.3951


 91.2038, 0.3852,
0.3793

 24.4079, 0.4236,
0.4024


 117.7523, 0.3793,
0.3756

 15.6365, 0.4399,
0.4113


 149.0094, 0.3743,
0.3723

 9.2673, 0.4611,
0.4218

185.3595, 0.3700,
0.3695

 4.9159, 0.4892,
0.4334

227.1869, 0.3663,
0.3670

 2.1980, 0.5429,
0.4571

274.8762, 0.3630,

 0.7189, 0.5696,

0.3647

0.4304

328.8116, 0.3601,
0.3628

0.0000, 0.0000,
0.0000

50.6950, 0.4005,
0.3889

50.6950, 0.4005,
0.3889

45.9196, 0.4262,
0.4015

55.9585, 0.3766,
0.3751

41.6080, 0.4529,
0.4117

61.7189, 0.3550,
0.3610

37.7440, 0.4794,
0.4183

67.9938, 0.3357,
0.3472

34.3071, 0.5041,
0.4201

74.7974, 0.3187,
0.3339

31.2739, 0.5253,
0.4165

82.1436, 0.3038,
0.3215

■ 29.5927, 0.5367,
0.4121

■ 89.3992, 0.2962,
0.3195

■ 95.2306, 0.2964,
0.3290

Harmonies

Analogous

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



50.6950, 0.4062, 0.3538



50.6950, 0.4005, 0.3889



50.6950, 0.3704, 0.4117

Triad

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



50.6950, 0.4005, 0.3889



50.6950, 0.2447, 0.3367



50.6950, 0.2937, 0.2606

Complementary

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



50.6950, 0.4005, 0.3889



41.2231, 0.2417, 0.2593

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.



50.6950, 0.2539, 0.2532



50.6950, 0.4005, 0.3889



50.6950, 0.2275, 0.2928

Square

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



50.6950, 0.4005, 0.3889



50.6950, 0.2802, 0.3824



50.6950, 0.2307, 0.2636



50.6950, 0.3418, 0.2830

Rectangle

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



50.6950, 0.4005, 0.3889



50.6950, 0.3417, 0.4144



50.6950, 0.2307, 0.2636



50.6950, 0.2789, 0.2563

Sweetspot

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



50.6974, 0.4005, 0.3889



88.3160, 0.3343, 0.3461



35.0745, 0.3712, 0.2737



18.5037, 0.3383, 0.3491



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.



50.6974, 0.4005, 0.3889



59.5117, 0.4248, 0.4008



73.2530, 0.3765, 0.4371



15.6024, 0.3279, 0.3412



17.3304, 0.5344, 0.4139



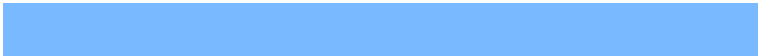
1.4665, 0.5131, 0.4308

Inverse Universe

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



41.2231, 0.2417, 0.2593



45.7678, 0.2266, 0.2409



25.7559, 0.2315, 0.1931



15.0222, 0.2981, 0.3165



9.8309, 0.1754, 0.1515



0.9116, 0.1830, 0.1786

Previews

White Background



This preview shows how the Yxy color 50.6950, 0.4005, 0.3889 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 50.6950, 0.4005, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

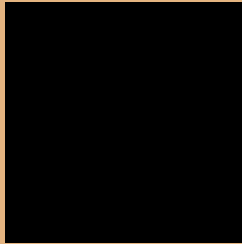
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6950, 0.4005, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 50.6950, 0.4005, 0.3889.



This preview shows how white text looks on a background with the Yxy color 50.6950, 0.4005, 0.3889.

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

50.6950, 0.4005, 0.3889

Protanopia

50.8985, 0.3712, 0.3997

Deuteranopia

50.7750, 0.3982, 0.3904



Tritanopia

50.7559, 0.3557, 0.3145

Trichromacy



Original Color

50.6950, 0.4005, 0.3889

Protanomaly

50.9026, 0.3815, 0.3955

Deuteranomaly

50.9372, 0.3991, 0.3902

Tritanomaly

50.7562, 0.3722, 0.3418

Monochromacy



Original Color

50.6950, 0.4005, 0.3889

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.1476, 0.3436, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6950, 0.4005, 0.3889 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, 180, 128)` looks like.

```
.text, #text, p{  
    color:rgb(228, 180, 128)  
}
```

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, 180, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 180, 128) }
```

Border

The CSS property to change the border of an element to Yxy 50.6950, 0.4005, 0.3889 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, 180, 128) }
```

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

```
.border{ border-color:rgb(228, 180, 128) }
```

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

Here you see how a box with a 4 pixel rgb(228, 180, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 180, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 180, 128);  
box-shadow:4px 4px 4px 4px rgb(228, 180,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6950, 0.4005, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 180, 128) }
```

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

```
.background{ background-color: rgb(228,  
180, 128) }
```

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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