

Converting Colors

$Yxy(49.9157, 0.4006, 0.3706)$

Have a look what the booklet for
Yxy(49.9157, 0.4006, 0.3706)
contains.

Yxy(50.1571, 0.4007, 0.3710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.1571, 0.4007, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	EBAF8A
RGB	235, 175, 138
RGB Percent	92%, 69%, 54%
CMY	0.0785, 0.3137, 0.4589
CMYK	0.00, 0.26, 0.41, 0.08
HSL	23°, 71%, 73%
HSV	23°, 41%, 92%
XYZ	54.1724, 50.1571, 30.8649
YIQ	188.7220, 47.6370, 1.2130

Conversions

Conversions Part 2

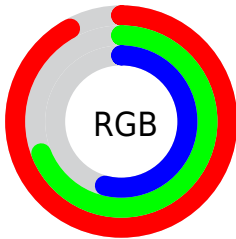
Format	Color
R _Y B	235, 198, 138
Decimal	15445898
CIE Lab	76.17, 17.29, 27.53
CIE LCh	76, 32.506, 57.865
Yxy	50.1571, 0.4007, 0.3710
Android (android.graphics.Color)	4293635978 (0xFFEBAF8A)
YUV	188.7220, -25.0059, 40.5858
Hunter-Lab	70.8217, 12.5989, 23.7359

Details

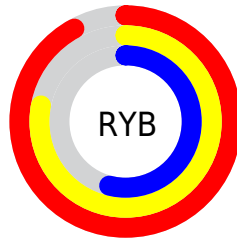
The Yxy color **50.1571, 0.4007, 0.3710** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.7637, 0.2487, 0.2820**, and the grayscale version is **50.8471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2176, 0.3556, 0.3685**, and **23.9708, 0.4244, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **44.1964, 0.4303, 0.3806**, and if you desaturate by 10%, it is **56.8782, 0.3743, 0.3606**.

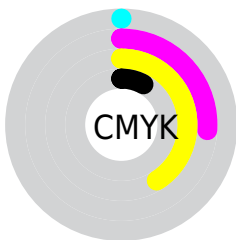
Distribution



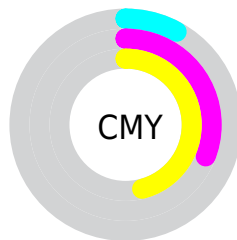
- Red (92%)
- Green (69%)
- Blue (54%)



- Red (92%)
- Yellow (78%)
- Blue (54%)



- Cyan (0%)
- Magenta (26%)
- Yellow (41%)
- Black (8%)





- Cyan (8%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1571, 0.4007, 0.3710 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 50.1571, 0.4007, 0.3710 by changing the saturation by 10% instead.


 50.1571, 0.4007,
0.3710

 50.1571, 0.4007,
0.3710


387.2800, 0.3571,
0.3519

 35.5382, 0.4113,
0.3751


 90.4076, 0.3850,
0.3646

 24.0778, 0.4247,
0.3799


 116.8080, 0.3791,
0.3620

 15.3913, 0.4421,
0.3856


 147.9044, 0.3740,
0.3598

 9.0945, 0.4653,
0.3920

184.0812, 0.3697,
0.3578

 4.8029, 0.4974,
0.3985

225.7228, 0.3659,
0.3561

 2.1321, 0.5721,
0.4231

273.2135, 0.3626,

 0.6826, 0.6154,

0.3545

0.3846

326.9378, 0.3597,
0.3532

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.1571, 0.4007,
0.3710

50.1571, 0.4007,
0.3710

44.1964, 0.4303,
0.3806

56.8782, 0.3743,
0.3606

38.9601, 0.4626,
0.3883

64.3796, 0.3514,
0.3501

34.4198, 0.4960,
0.3928

72.6892, 0.3316,
0.3398

30.5419, 0.5283,
0.3930

81.8313, 0.3147,
0.3302

■ 27.2890, 0.5568,
0.3879

■ 91.7985, 0.3005,
0.3217

■ 24.9224, 0.5773,
0.3798

■ 96.3986, 0.3005,
0.3290

Harmonies

Analogous

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



50.1571, 0.3936, 0.3359



50.1571, 0.4007, 0.3710



50.1571, 0.3825, 0.3988

Triad

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



50.1571, 0.4007, 0.3710



50.1571, 0.2628, 0.3571



50.1571, 0.2758, 0.2593

Complementary

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



50.1571, 0.4007, 0.3710



51.7637, 0.2487, 0.2820

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.



50.1571, 0.2450, 0.2601



50.1571, 0.4007, 0.3710



50.1571, 0.2378, 0.3134

Square

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



50.1571, 0.4007, 0.3710



50.1571, 0.3020, 0.3942



50.1571, 0.2317, 0.2786



50.1571, 0.3187, 0.2742

Rectangle

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



50.1571, 0.4007, 0.3710



50.1571, 0.3596, 0.4083



50.1571, 0.2317, 0.2786



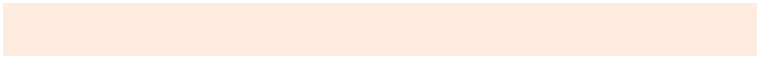
50.1571, 0.2638, 0.2577

Sweetspot

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



50.1595, 0.4007, 0.3710



86.7020, 0.3330, 0.3406



39.9743, 0.3513, 0.2615



18.2669, 0.3355, 0.3419



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.



50.1595, 0.4007, 0.3710



53.9257, 0.4271, 0.3796



71.7605, 0.3795, 0.4192



15.9967, 0.3283, 0.3380



14.1011, 0.5745, 0.3821



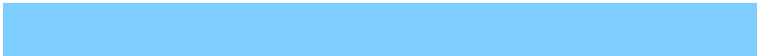
1.2880, 0.5486, 0.4026

Inverse Universe

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



51.7637, 0.2487, 0.2820



56.0685, 0.2358, 0.2696



33.5059, 0.2385, 0.2188



16.0998, 0.2981, 0.3198



14.9107, 0.1886, 0.1990



1.3557, 0.1942, 0.2190

Previews

White Background



This preview shows how the Yxy color 50.1571, 0.4007, 0.3710 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 50.1571, 0.4007, 0.3710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

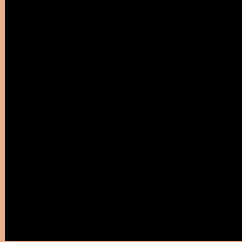
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1571, 0.4007, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 50.1571, 0.4007, 0.3710.



This preview shows how white text looks on a background with the Yxy color 50.1571, 0.4007, 0.3710.

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

50.1571, 0.4007, 0.3710

Protanopia

50.3976, 0.3592, 0.3843

Deuteranopia

50.1366, 0.3883, 0.3797



Tritanopia

50.1041, 0.3658, 0.3147

Trichromacy



Original Color

50.1571, 0.4007, 0.3710

Protanomaly

49.9661, 0.3735, 0.3789

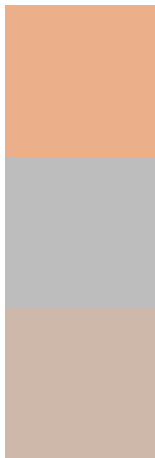
Deuteranomaly

49.9778, 0.3928, 0.3767

Tritanomaly

50.0561, 0.3793, 0.3348

Monochromacy



Original Color

50.1571, 0.4007, 0.3710

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.3051, 0.3432, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1571, 0.4007, 0.3710 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, 175, 138)` looks like.

```
.text, #text, p{  
    color:rgb(235, 175, 138)  
}
```

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, 175, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 175, 138) }
```

Border

The CSS property to change the border of an element to Yxy 50.1571, 0.4007, 0.3710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

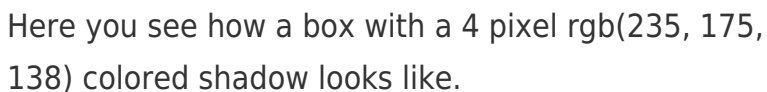
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 175, 138) }
```

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

```
.border{ border-color:rgb(235, 175, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 175, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 175, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 175, 138); box-shadow:4px 4px 4px 4px rgb(235, 175, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1571, 0.4007, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 175, 138) }
```

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

```
.background{ background-color: rgb(235,  
175, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor