

Converting Colors

$Yxy(48.0667, 0.4544, 0.4552)$

Have a look what the booklet for
Yxy(48.0667, 0.4544, 0.4552)
contains.

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Color

Yxy(47.9886, 0.4545, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	E3B130
RGB	227, 177, 48
RGB Percent	89%, 69%, 19%
CMY	0.1100, 0.3058, 0.8118
CMYK	0.00, 0.22, 0.79, 0.11
HSL	43°, 76%, 54%
HSV	43°, 79%, 89%
XYZ	47.9253, 47.9886, 9.5323
YIQ	177.2440, 71.2090, -29.5190

Conversions

Conversions Part 2

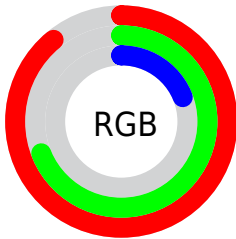
Format	Color
RYB	117, 227, 48
Decimal	14922032
CIELab	74.82, 6.51, 67.78
CIELCh	75, 68.088, 84.514
Yxy	47.9886, 0.4545, 0.4551
Android (android.graphics.Color)	4293112112 (0xFFE3B130)
YUV	177.2440, -63.7173, 43.6360
Hunter-Lab	69.2738, 2.2616, 40.3331

Details

The Yxy color **47.9886, 0.4545, 0.4551** is a light color, and the websafe version is hex **CC9900**, and the color name is **rape-blossom brown (nanohanacha)**. The color can be described as light washed orange. A complement of this color would be **14.8960, 0.1786, 0.1369**, and the grayscale version is **44.4151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9727, 0.4095, 0.4511**, and **22.8827, 0.4716, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **45.4044, 0.4681, 0.4586**, and if you desaturate by 10%, it is **50.7894, 0.4381, 0.4468**.

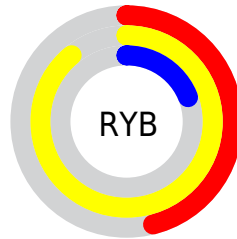
Distribution



Red (89%)

Green (69%)

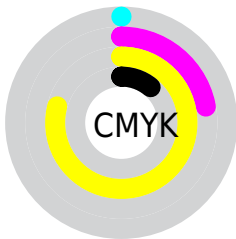
Blue (19%)



Red (46%)

Yellow (89%)

Blue (19%)

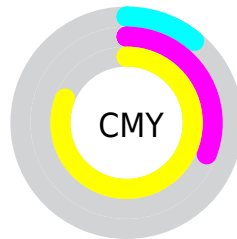


Cyan (0%)

Magenta (22%)

Yellow (79%)

Black (11%)



Cyan (11%)


Magenta (31%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9886, 0.4545, 0.4551 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 47.9886, 0.4545, 0.4551 by changing the saturation by 10% instead.


 47.9886, 0.4545,
0.4551

 47.9886, 0.4545,
0.4551


378.7469, 0.3904,
0.4006

 33.8179, 0.4668,
0.4646


 87.1874, 0.4337,
0.4381


 22.7537, 0.4802,
0.4743


 112.9843, 0.4251,
0.4309

 14.4118, 0.4944,
0.4833


 143.4254, 0.4175,
0.4244

 8.4076, 0.5093,
0.4907

 178.8950, 0.4108,
0.4185

 4.3569, 0.5145,
0.4855

 219.7775, 0.4048,
0.4133

 1.8751, 0.5232,
0.4768

 266.4575, 0.3994,

 0.5334, 0.5552,

0.4086

0.4448

319.3191, 0.3947,
0.4044

0.0000, 0.0000,
0.0000

47.9886, 0.4545,
0.4551

47.9886, 0.4545,
0.4551

45.4044, 0.4681,
0.4586

50.7894, 0.4381,
0.4468

43.0086, 0.4788,
0.4574

53.8141, 0.4197,
0.4343

42.7426, 0.4799,
0.4571

57.0774, 0.4003,
0.4187

60.5904, 0.3806,
0.4010

64.3632, 0.3615,
0.3822

68.4049, 0.3433,
0.3633

72.7242, 0.3265,
0.3448

77.3294, 0.3110,
0.3270

82.2280, 0.2970,
0.3103

Harmonies

Analogous

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



47.9886, 0.4951, 0.3903



47.9886, 0.4545, 0.4551



47.9886, 0.3797, 0.5001

Triad

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



47.9886, 0.4545, 0.4551



47.9886, 0.1688, 0.2978



47.9886, 0.3106, 0.2196

Complementary

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



47.9886, 0.4545, 0.4551



14.8960, 0.1786, 0.1369

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.



47.9886, 0.2283, 0.1949



47.9886, 0.4545, 0.4551



47.9886, 0.1572, 0.2276

Square

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



47.9886, 0.4545, 0.4551



47.9886, 0.2153, 0.4007



47.9886, 0.1770, 0.1958



47.9886, 0.4076, 0.2656

Rectangle

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



47.9886, 0.4545, 0.4551



47.9886, 0.3216, 0.4997



47.9886, 0.1770, 0.1958



47.9886, 0.2802, 0.2087

Sweetspot

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



47.9910, 0.4545, 0.4551



86.2498, 0.3528, 0.3733



19.3336, 0.5148, 0.2847



18.0627, 0.3594, 0.3801



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.



47.9910, 0.4545, 0.4551



56.9990, 0.4755, 0.4581



65.8457, 0.3824, 0.5162



16.1015, 0.3274, 0.3459



25.1430, 0.4788, 0.4580



2.0126, 0.4681, 0.4665

Inverse Universe

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



14.8960, 0.1786, 0.1369



13.0924, 0.1621, 0.1005



9.6730, 0.1845, 0.0948



14.5386, 0.2981, 0.3116



5.4995, 0.1598, 0.0954



0.5594, 0.1677, 0.1238

Previews

White Background



This preview shows how the Yxy color 47.9886, 0.4545, 0.4551 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 47.9886, 0.4545, 0.4551 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 47.9886, 0.4545, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 47.9886, 0.4545, 0.4551.



This preview shows how white text looks on a background with the Yxy color 47.9886, 0.4545, 0.4551.

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

47.9886, 0.4545, 0.4551

Protanopia

48.1936, 0.4286, 0.4731

Deuteranopia

48.0375, 0.4604, 0.4498



Tritanopia

47.7868, 0.3669, 0.3145

Trichromacy



Original Color

47.9886, 0.4545, 0.4551

Protanomaly

47.9738, 0.4380, 0.4668

Deuteranomaly

48.0954, 0.4577, 0.4519

Tritanomaly

47.1704, 0.4073, 0.3726

Monochromacy



Original Color

47.9886, 0.4545, 0.4551

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6581, 0.3693, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9886, 0.4545, 0.4551 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(227, 177, 48)` looks like.

```
.text, #text, p{  
    color:rgb(227, 177, 48)  
}
```

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(227, 177, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 177, 48) }
```

Border

The CSS property to change the border of an element to Yxy 47.9886, 0.4545, 0.4551 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(227, 177, 48) }
```

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

```
.border{ border-color:rgb(227, 177, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 177, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 177, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 177, 48);  
box-shadow:4px 4px 4px 4px rgb(227, 177,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9886, 0.4545, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 177, 48) }
```

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

```
.background{ background-color: rgb(227,  
177, 48) }
```

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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