

Converting Colors

Yxy(48.9520, 0.4447, 0.4442)

Have a look what the booklet for
Yxy(48.9520, 0.4447, 0.4442)
contains.

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Color

Yxy(49.1394, 0.4447, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	E4B343
RGB	228, 179, 67
RGB Percent	89%, 70%, 26%
CMY	0.1059, 0.2980, 0.7372
CMYK	0.00, 0.21, 0.71, 0.11
HSL	42°, 75%, 58%
HSV	42°, 71%, 89%
XYZ	49.1284, 49.1394, 12.2075
YIQ	180.8830, 65.1560, -24.4440

Conversions

Conversions Part 2

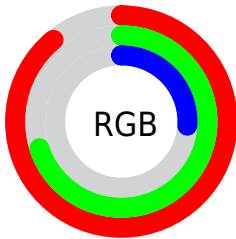
Format	Color
RYB	137, 228, 67
Decimal	14988099
CIELab	75.54, 6.71, 61.39
CIELCh	76, 61.751, 83.764
Yxy	49.1394, 0.4447, 0.4448
Android (android.graphics.Color)	4293178179 (0xFFE4B343)
YUV	180.8830, -56.1443, 41.3216
Hunter-Lab	70.0995, 2.4254, 38.7446

Details

The Yxy color **49.1394, 0.4447, 0.4448** 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 **19.2879, 0.1916, 0.1638**, and the grayscale version is **46.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0571, 0.3990, 0.4401**, and **23.5036, 0.4698, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **46.2079, 0.4617, 0.4519**, and if you desaturate by 10%, it is **52.3234, 0.4256, 0.4334**.

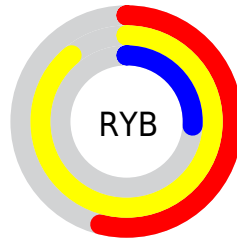
Distribution



Red (89%)

Green (70%)

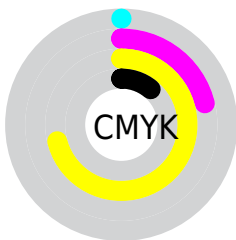
Blue (26%)



Red (54%)

Yellow (89%)

Blue (26%)

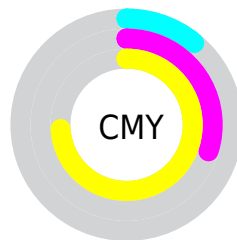


Cyan (0%)

Magenta (21%)

Yellow (71%)

Black (11%)



Cyan (11%)


Magenta (30%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1394, 0.4447, 0.4448 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 49.1394, 0.4447, 0.4448 by changing the saturation by 10% instead.


 49.1394, 0.4447,
0.4448


 49.1394, 0.4447,
0.4448


383.2908, 0.3838,
0.3936

 34.7301, 0.4571,
0.4544


 88.8985, 0.4244,
0.4284

 23.4550, 0.4712,
0.4647


 115.0170, 0.4162,
0.4215

 14.9299, 0.4864,
0.4749

 145.8074, 0.4091,
0.4155

 8.7702, 0.5096,
0.4904

 181.6540, 0.4027,
0.4101

 4.5916, 0.5149,
0.4851

 222.9412, 0.3972,
0.4052

 2.0097, 0.5234,
0.4766

270.0535, 0.3922,

 0.6131, 0.5491,

0.4009

323.3753, 0.3878,
0.3971

0.4509

0.0000, 0.0000,
0.0000

49.1394, 0.4447,
0.4448

49.1394, 0.4447,
0.4448

46.2079, 0.4617,
0.4519

52.3234, 0.4256,
0.4334

43.5060, 0.4759,
0.4539

55.7659, 0.4054,
0.4187

41.1564, 0.4866,
0.4518

59.4811, 0.3851,
0.4018

63.4799, 0.3653,
0.3837

67.7721, 0.3467,
0.3654

■ 72.3670, 0.3294,
0.3473

■ 77.2734, 0.3136,
0.3300

■ 82.4995, 0.2994,
0.3137

■ 86.8944, 0.2962,
0.3153

Harmonies

Analogous

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



49.1394, 0.4788, 0.3863



49.1394, 0.4447, 0.4448



49.1394, 0.3777, 0.4832

Triad

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



49.1394, 0.4447, 0.4448



49.1394, 0.1819, 0.3042



49.1394, 0.3093, 0.2278

Complementary

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



49.1394, 0.4447, 0.4448



19.2879, 0.1916, 0.1638

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.



49.1394, 0.2345, 0.2054



49.1394, 0.4447, 0.4448



49.1394, 0.1695, 0.2387

Square

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



49.1394, 0.4447, 0.4448



49.1394, 0.2264, 0.3956



49.1394, 0.1873, 0.2075



49.1394, 0.3964, 0.2702

Rectangle

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



49.1394, 0.4447, 0.4448



49.1394, 0.3247, 0.4817



49.1394, 0.1873, 0.2075



49.1394, 0.2818, 0.2178

Sweetspot

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



49.1418, 0.4447, 0.4448



87.0574, 0.3476, 0.3663



21.8178, 0.4750, 0.2780



18.2978, 0.3527, 0.3714



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.



49.1418, 0.4447, 0.4448



57.8118, 0.4691, 0.4535



67.9636, 0.3841, 0.5004



16.0379, 0.3275, 0.3453



23.9837, 0.4853, 0.4528



1.9342, 0.4734, 0.4623

Inverse Universe

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



19.2879, 0.1916, 0.1638



17.5808, 0.1725, 0.1273



12.1331, 0.1940, 0.1127



14.5988, 0.2981, 0.3122



5.9031, 0.1614, 0.1012



0.5956, 0.1695, 0.1301

Previews

White Background



This preview shows how the Yxy color 49.1394, 0.4447, 0.4448 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 49.1394, 0.4447, 0.4448 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 49.1394, 0.4447, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 49.1394, 0.4447, 0.4448.



This preview shows how white text looks on a background with the Yxy color 49.1394, 0.4447, 0.4448.

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

49.1394, 0.4447, 0.4448

Protanopia

49.3802, 0.4191, 0.4613

Deuteranopia

49.1853, 0.4503, 0.4397



Tritanopia

49.1334, 0.3652, 0.3157

Trichromacy



Original Color

49.1394, 0.4447, 0.4448

Protanomaly

49.1454, 0.4284, 0.4556

Deuteranomaly

49.2471, 0.4477, 0.4416

Tritanomaly

48.6928, 0.3994, 0.3668

Monochromacy



Original Color

49.1394, 0.4447, 0.4448

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.5417, 0.3625, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1394, 0.4447, 0.4448 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, 179, 67)` looks like.

```
.text, #text, p{  
    color:rgb(228, 179, 67)  
}
```

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, 179, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 179, 67) }
```

Border

The CSS property to change the border of an element to Yxy 49.1394, 0.4447, 0.4448 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, 179, 67) }
```

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

```
.border{ border-color:rgb(228, 179, 67) }
```

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

Here you see how a box with a 4 pixel rgb(228, 179, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 179, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 179, 67);  
box-shadow:4px 4px 4px 4px rgb(228, 179,  
67) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 49.1394, 0.4447, 0.4448$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 179, 67) }
```

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

```
.background{ background-color: rgb(228,  
179, 67) }
```

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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