

Converting Colors

$Y_{xy}(46.7009, 0.4439, 0.4301)$

Have a look what the booklet for
Yxy(46.7009, 0.4439, 0.4301)
contains.

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Color

Yxy(46.5491, 0.4442, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	E4AC4E
RGB	228, 172, 78
RGB Percent	89%, 67%, 31%
CMY	0.1059, 0.3254, 0.6940
CMYK	0.00, 0.25, 0.66, 0.11
HSL	38°, 74%, 60%
HSV	38°, 66%, 89%
XYZ	48.1199, 46.5491, 13.6603
YIQ	178.0280, 63.5500, -17.3620

Conversions

Conversions Part 2

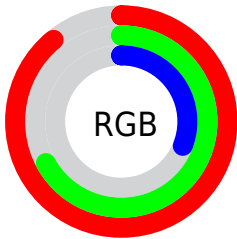
Format	Color
RYB	167, 228, 78
Decimal	14986318
CIELab	73.90, 11.00, 54.88
CIELCh	74, 55.970, 78.664
Yxy	46.5491, 0.4442, 0.4297
Android (android.graphics.Color)	4293176398 (0xFFE4AC4E)
YUV	178.0280, -49.3138, 43.8254
Hunter-Lab	68.2269, 6.4975, 35.8878

Details

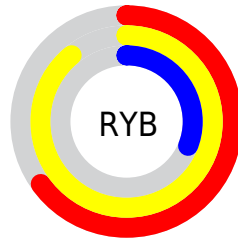
The Yxy color **46.5491, 0.4442, 0.4297** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.2708, 0.2027, 0.1916**, and the grayscale version is **44.7793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8369, 0.3972, 0.4246**, and **21.9339, 0.4739, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **43.1425, 0.4654, 0.4377**, and if you desaturate by 10%, it is **50.2810, 0.4218, 0.4178**.

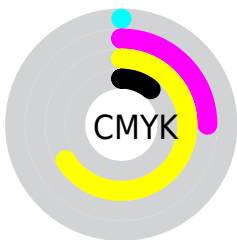
Distribution



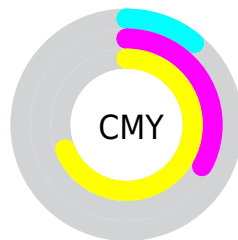
- Red (89%)
- Green (67%)
- Blue (31%)



- Red (65%)
- Yellow (89%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (66%)
- Black (11%)




- Cyan (11%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5491, 0.4442, 0.4297 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 46.5491, 0.4442, 0.4297 by changing the saturation by 10% instead.


 46.5491, 0.4442,
0.4297


 46.5491, 0.4442,
0.4297

373.0118, 0.3815,
0.3848


 32.6793, 0.4578,
0.4383

 85.0402, 0.4228,
0.4152


 21.8809, 0.4737,
0.4476


 110.4303, 0.4143,
0.4092


 13.7694, 0.4920,
0.4568


 140.4293, 0.4069,
0.4039

 7.9605, 0.5170,
0.4683

 175.4216, 0.4005,
0.3991

 4.0697, 0.5338,
0.4662

 215.7917, 0.3949,
0.3950

 1.7126, 0.5486,
0.4514

261.9238, 0.3899,

 0.4318, 0.6113,

0.3912

0.3887

314.2024, 0.3855,
0.3879

0.0000, 0.0000,
0.0000

46.5491, 0.4442,
0.4297

46.5491, 0.4442,
0.4297

43.1425, 0.4654,
0.4377

50.2810, 0.4218,
0.4178

40.0383, 0.4842,
0.4408

54.3457, 0.3993,
0.4033

37.2195, 0.4997,
0.4387

58.7584, 0.3776,
0.3872

36.1031, 0.5056,
0.4367

63.5311, 0.3572,
0.3705

68.6750, 0.3386,
0.3539

■ 74.2008, 0.3217,
0.3379

■ 80.1184, 0.3065,
0.3227

■ 86.0840, 0.2962,
0.3139

■ 91.2149, 0.2963,
0.3225

Harmonies

Analogous

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



46.5491, 0.4677, 0.3744



46.5491, 0.4442, 0.4297



46.5491, 0.3863, 0.4684

Triad

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



46.5491, 0.4442, 0.4297



46.5491, 0.1957, 0.3202



46.5491, 0.2967, 0.2292

Complementary

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



46.5491, 0.4442, 0.4297



24.2708, 0.2027, 0.1916

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.



46.5491, 0.2306, 0.2118



46.5491, 0.4442, 0.4297



46.5491, 0.1786, 0.2538

Square

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



46.5491, 0.4442, 0.4297



46.5491, 0.2430, 0.4042



46.5491, 0.1906, 0.2186



46.5491, 0.3769, 0.2665

Rectangle

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



46.5491, 0.4442, 0.4297



46.5491, 0.3378, 0.4720



46.5491, 0.1906, 0.2186



46.5491, 0.2722, 0.2210

Sweetspot

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



46.5514, 0.4442, 0.4297



85.5898, 0.3465, 0.3611



23.7074, 0.4423, 0.2680



17.9206, 0.3518, 0.3658



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.



46.5514, 0.4442, 0.4297



54.0871, 0.4727, 0.4395



69.8028, 0.3894, 0.4868



15.8656, 0.3277, 0.3437



21.0848, 0.5039, 0.4381



1.7349, 0.4883, 0.4505

Inverse Universe

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



24.2708, 0.2027, 0.1916



23.6245, 0.1840, 0.1589



13.5135, 0.1957, 0.1230



14.7641, 0.2981, 0.3139



7.2044, 0.1664, 0.1190



0.7060, 0.1745, 0.1483

Previews

White Background



This preview shows how the Yxy color 46.5491, 0.4442, 0.4297 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 46.5491, 0.4442, 0.4297 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 46.5491, 0.4442, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 46.5491, 0.4442, 0.4297.



This preview shows how white text looks on a background with the Yxy color 46.5491, 0.4442, 0.4297.

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

46.5491, 0.4442, 0.4297

Protanopia

46.6065, 0.4105, 0.4494

Deuteranopia

46.6059, 0.4416, 0.4316



Tritanopia

46.5588, 0.3716, 0.3156

Trichromacy



Original Color

46.5491, 0.4442, 0.4297

Protanomaly

46.2689, 0.4225, 0.4420

Deuteranomaly

46.7681, 0.4425, 0.4312

Tritanomaly

46.2923, 0.4013, 0.3602

Monochromacy



Original Color

46.5491, 0.4442, 0.4297

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7394, 0.3602, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5491, 0.4442, 0.4297 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, 172, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 172, 78)  
}
```

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, 172, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 172, 78) }
```

Border

The CSS property to change the border of an element to Yxy 46.5491, 0.4442, 0.4297 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, 172, 78) }
```

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

```
.border{ border-color:rgb(228, 172, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 172, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 172, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 172, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 172,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5491, 0.4442, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 172, 78) }
```

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

```
.background{ background-color: rgb(228,  
172, 78) }
```

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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