

Converting Colors

$Y_{xy}(47.2319, 0.4464, 0.4314)$

Have a look what the booklet for
Yxy(47.2319, 0.4464, 0.4314)
contains.

Yxy(47.2319, 0.4464, 0.4314)	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(47.2319, 0.4464, 0.4314)

Conversions

Conversions Part 1

Format	Color
Hex	E6AD4C
RGB	230, 173, 76
RGB Percent	90%, 68%, 30%
CMY	0.0982, 0.3215, 0.7019
CMYK	0.00, 0.25, 0.67, 0.10
HSL	38°, 75%, 60%
HSV	38°, 67%, 90%
XYZ	48.8742, 47.2319, 13.3791
YIQ	178.9850, 65.1090, -18.0830

Conversions

Conversions Part 2

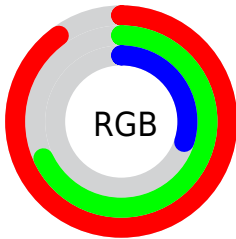
Format	Color
RYB	166, 230, 76
Decimal	15117644
CIELab	74.34, 11.19, 56.32
CIELCh	74, 57.425, 78.766
Yxy	47.2319, 0.4464, 0.4314
Android (android.graphics.Color)	4293307724 (0xFFE6AD4C)
YUV	178.9850, -50.7716, 44.7402
Hunter-Lab	68.7255, 6.6709, 36.5656

Details

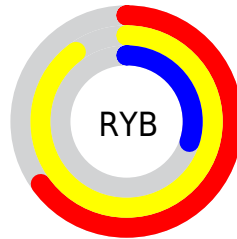
The Yxy color **47.2319, 0.4464, 0.4314** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.0119, 0.2007, 0.1879**, and the grayscale version is **45.3215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3318, 0.3979, 0.4273**, and **22.2713, 0.4753, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **43.8097, 0.4672, 0.4389**, and if you desaturate by 10%, it is **50.9807, 0.4242, 0.4199**.

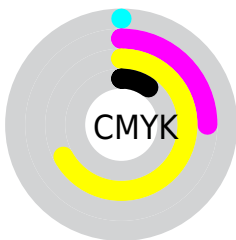
Distribution



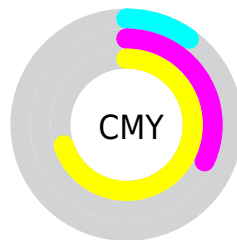
- Red (90%)
- Green (68%)
- Blue (30%)



- Red (65%)
- Yellow (90%)
- Blue (30%)



- Cyan (0%)
- Magenta (25%)
- Yellow (67%)
- Black (10%)





- Cyan (10%)
- Magenta (32%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2319, 0.4464, 0.4314 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 47.2319, 0.4464, 0.4314 by changing the saturation by 10% instead.


 47.2319, 0.4464,
0.4314

 47.2319, 0.4464,
0.4314


375.7394, 0.3831,
0.3861

 33.2190, 0.4600,
0.4399


 86.0597, 0.4248,
0.4169

 22.2943, 0.4758,
0.4491


 111.6434, 0.4163,
0.4108

 14.0733, 0.4939,
0.4580


 141.8528, 0.4088,
0.4054

 8.1717, 0.5189,
0.4695

 177.0723, 0.4023,
0.4007

 4.2050, 0.5340,
0.4660

 217.6863, 0.3966,
0.3964

 1.7889, 0.5487,
0.4513

264.0792, 0.3916,

 0.4802, 0.6030,

0.3926

0.3970

316.6355, 0.3871,
0.3892

0.0000, 0.0000,
0.0000

47.2319, 0.4464,
0.4314

47.2319, 0.4464,
0.4314

43.8097, 0.4672,
0.4389

50.9807, 0.4242,
0.4199

40.6906, 0.4855,
0.4415

55.0639, 0.4018,
0.4055

37.8563, 0.5005,
0.4388

59.4971, 0.3800,
0.3895

37.0393, 0.5047,
0.4375

64.2925, 0.3595,
0.3727

69.4616, 0.3407,
0.3560

■ 75.0151, 0.3236,
0.3398

■ 80.9634, 0.3082,
0.3244

■ 86.9909, 0.2974,
0.3149

■ 92.1472, 0.2975,
0.3235

Harmonies

Analogous

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



47.2319, 0.4708, 0.3750



47.2319, 0.4464, 0.4314



47.2319, 0.3872, 0.4713

Triad

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



47.2319, 0.4464, 0.4314



47.2319, 0.1934, 0.3196



47.2319, 0.2965, 0.2276

Complementary

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



47.2319, 0.4464, 0.4314



24.0119, 0.2007, 0.1879

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.



47.2319, 0.2292, 0.2098



47.2319, 0.4464, 0.4314



47.2319, 0.1762, 0.2520

Square

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



47.2319, 0.4464, 0.4314



47.2319, 0.2413, 0.4056



47.2319, 0.1885, 0.2165



47.2319, 0.3785, 0.2655

Rectangle

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



47.2319, 0.4464, 0.4314



47.2319, 0.3377, 0.4751



47.2319, 0.1885, 0.2165



47.2319, 0.2715, 0.2192

Sweetspot

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



47.2342, 0.4464, 0.4314



85.6884, 0.3464, 0.3613



23.7379, 0.4460, 0.2675



17.9443, 0.3518, 0.3660



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.



47.2342, 0.4464, 0.4314



53.9562, 0.4740, 0.4404



71.0966, 0.3902, 0.4889



15.8740, 0.3277, 0.3438



21.2172, 0.5030, 0.4388



1.7441, 0.4876, 0.4511

Inverse Universe

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



24.0119, 0.2007, 0.1879



22.9634, 0.1826, 0.1557



13.2595, 0.1935, 0.1195



14.7560, 0.2981, 0.3138



7.1341, 0.1662, 0.1181



0.7002, 0.1743, 0.1474

Previews

White Background



This preview shows how the Yxy color 47.2319, 0.4464, 0.4314 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 47.2319, 0.4464, 0.4314 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 47.2319, 0.4464, 0.4314

Background



This preview shows how black text looks on a background with the Yxy color 47.2319, 0.4464, 0.4314.



This preview shows how white text looks on a background with the Yxy color 47.2319, 0.4464, 0.4314.

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

47.2319, 0.4464, 0.4314

Protanopia

47.2689, 0.4128, 0.4512

Deuteranopia

47.1248, 0.4429, 0.4338



Tritanopia

47.2941, 0.3722, 0.3157

Trichromacy



Original Color

47.2319, 0.4464, 0.4314

Protanomaly

46.9364, 0.4248, 0.4438

Deuteranomaly

47.2879, 0.4438, 0.4333

Tritanomaly

46.9939, 0.4027, 0.3611

Monochromacy



Original Color

47.2319, 0.4464, 0.4314

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4030, 0.3617, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2319, 0.4464, 0.4314 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(230, 173, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 173, 76)  
}
```

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(230, 173, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 173, 76) }
```

Border

The CSS property to change the border of an element to Yxy 47.2319, 0.4464, 0.4314 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(230, 173, 76) }
```

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

```
.border{ border-color:rgb(230, 173, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 173, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 173, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 173, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 173,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2319, 0.4464, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 173, 76) }
```

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

```
.background{ background-color: rgb(230,  
173, 76) }
```

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