

Converting Colors

$Y_{xy}(44.3280, 0.4829, 0.4548)$

Have a look what the booklet for
Yxy(44.3280, 0.4829, 0.4548)
contains.

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Color

Yxy(44.2339, 0.4834, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	E9A500
RGB	233, 165, 0
RGB Percent	91%, 65%, 0%
CMY	0.0863, 0.3529, 1.0000
CMYK	0.00, 0.29, 1.00, 0.09
HSL	42°, 100%, 46%
HSV	42°, 100%, 91%
XYZ	47.0569, 44.2339, 6.0549
YIQ	166.5220, 93.4930, -36.8990

Conversions

Conversions Part 2

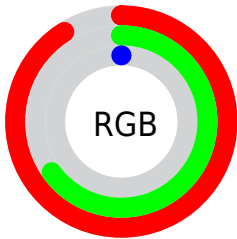
Format	Color
R _Y B	96, 233, 0
Decimal	15312128
CIE Lab	72.38, 14.58, 76.05
CIE LCh	72, 77.433, 79.147
Yxy	44.2339, 0.4834, 0.4544
Android (android.graphics.Color)	4293502208 (0xFFE9A500)
YUV	166.5220, -82.0953, 58.3012
Hunter-Lab	66.5086, 9.9044, 41.1583

Details

The Yxy color **44.2339, 0.4834, 0.4544** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **10.0145, 0.1599, 0.0954**, and the grayscale version is **38.7731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9965, 0.4292, 0.4594**, and **20.4682, 0.4943, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **44.2363, 0.4834, 0.4544**, and if you desaturate by 10%, it is **46.8175, 0.4725, 0.4563**.

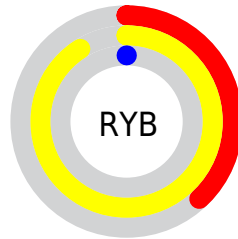
Distribution



Red (91%)

Green (65%)

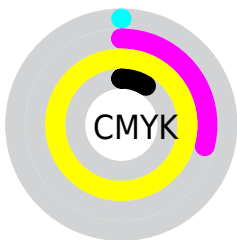
Blue (0%)



Red (38%)

Yellow (91%)

Blue (0%)

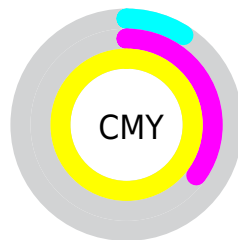


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2339, 0.4834, 0.4544 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 44.2339, 0.4834, 0.4544 by changing the saturation by 10% instead.


 44.2339, 0.4834,
0.4544

 44.2339, 0.4834,
0.4544

363.6619, 0.4071,
0.4049

 30.8544, 0.4972,
0.4608


 81.5696, 0.4593,
0.4407


 20.4880, 0.5116,
0.4657


 106.2946, 0.4491,
0.4342


 12.7503, 0.5295,
0.4705

 135.5703, 0.4400,
0.4282

 7.2568, 0.5379,
0.4621

 169.7809, 0.4319,
0.4226

 3.6232, 0.5505,
0.4495

 209.3111, 0.4246,
0.4176

 1.4651, 0.5712,
0.4288

 254.5450, 0.4182,

 0.2640, 0.6968,

0.4129

0.3032

305.8671, 0.4124,
0.4087

■ 0.0000, 0.0000,
0.0000

■ 44.2339, 0.4834,
0.4544

■ 44.2339, 0.4834,
0.4544

■ 44.2363, 0.4834,
0.4544

■ 46.8175, 0.4725,
0.4563

■ 49.6070, 0.4587,
0.4537

■ 52.6306, 0.4420,
0.4462

■ 55.9043, 0.4233,
0.4344

■ 59.4419, 0.4035,
0.4193

■ 63.2553, 0.3835,
0.4020

■ 67.3557, 0.3640,
0.3836

■ 71.7533, 0.3455,
0.3649

■ 76.4575, 0.3284,
0.3466

Harmonies

Analogous

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



44.2339, 0.5243, 0.3793



44.2339, 0.4834, 0.4544



44.2339, 0.4013, 0.5193

Triad

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



44.2339, 0.4834, 0.4544



44.2339, 0.1552, 0.3096



44.2339, 0.2899, 0.1986

Complementary

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



44.2339, 0.4834, 0.4544



10.0145, 0.1599, 0.0954

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.



44.2339, 0.2030, 0.1759



44.2339, 0.4834, 0.4544



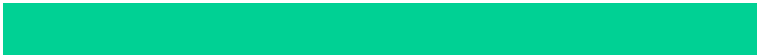
44.2339, 0.1374, 0.2218

Square

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



44.2339, 0.4834, 0.4544



44.2339, 0.2126, 0.4362



44.2339, 0.1534, 0.1814



44.2339, 0.4029, 0.2455

Rectangle

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



44.2339, 0.4834, 0.4544



44.2339, 0.3363, 0.5343



44.2339, 0.1534, 0.1814



44.2339, 0.2569, 0.1881

Sweetspot

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



44.2363, 0.4834, 0.4544



82.5910, 0.3643, 0.3839



17.7630, 0.5799, 0.2968



17.2126, 0.3724, 0.3917



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.



44.2363, 0.4834, 0.4544



54.1447, 0.4838, 0.4541



68.7609, 0.3839, 0.5334



16.8414, 0.3275, 0.3456



25.3269, 0.4821, 0.4554



2.1534, 0.4714, 0.4639

Inverse Universe

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



10.0145, 0.1599, 0.0954



12.1713, 0.1596, 0.0947



6.4775, 0.1589, 0.0649



15.2650, 0.2980, 0.3118



5.8685, 0.1606, 0.0981



0.6217, 0.1681, 0.1251

Previews

White Background



This preview shows how the Yxy color 44.2339, 0.4834, 0.4544 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 44.2339, 0.4834, 0.4544 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 44.2339, 0.4834, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 44.2339, 0.4834, 0.4544.



This preview shows how white text looks on a background with the Yxy color 44.2339, 0.4834, 0.4544.

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

44.2339, 0.4834, 0.4544

Protanopia

44.2900, 0.4394, 0.4855

Deuteranopia

44.3835, 0.4722, 0.4633



Tritanopia

44.0243, 0.3883, 0.3158

Trichromacy



Original Color

44.2339, 0.4834, 0.4544

Protanomaly

44.0530, 0.4562, 0.4736

Deuteranomaly

44.4992, 0.4759, 0.4604

Tritanomaly

43.1384, 0.4432, 0.3860

Monochromacy



Original Color

44.2339, 0.4834, 0.4544

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3894, 0.3915, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2339, 0.4834, 0.4544 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(233, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 165, 0)  
}
```

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(233, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 165, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.2339, 0.4834, 0.4544 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(233, 165, 0) }
```

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

```
.border{ border-color:rgb(233, 165, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 165, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 165,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2339, 0.4834, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 165, 0) }
```

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

```
.background{ background-color: rgb(233,  
165, 0) }
```

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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