

Converting Colors

$Y_{xy}(43.5889, 0.4793, 0.4576)$

Have a look what the booklet for
Yxy(43.5889, 0.4793, 0.4576)
contains.

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Color

Yxy(43.4042, 0.4792, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	E4A500
RGB	228, 165, 0
RGB Percent	89%, 65%, 0%
CMY	0.1060, 0.3529, 0.9998
CMYK	0.00, 0.28, 1.00, 0.11
HSL	43°, 100%, 45%
HSV	43°, 100%, 89%
XYZ	45.4431, 43.4042, 5.9838
YIQ	165.0270, 90.5130, -37.9590

Conversions

Conversions Part 2

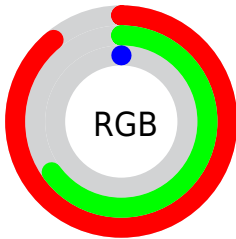
Format	Color
RYB	87, 228, 0
Decimal	14984448
CIELab	71.83, 12.40, 75.39
CIELCh	72, 76.403, 80.658
Yxy	43.4042, 0.4792, 0.4577
Android (android.graphics.Color)	4293174528 (0xFFE4A500)
YUV	165.0270, -81.3583, 55.2273
Hunter-Lab	65.8819, 7.8300, 40.7322

Details

The Yxy color **43.4042, 0.4792, 0.4577** 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 **9.1555, 0.1590, 0.0923**, and the grayscale version is **38.0098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9965, 0.4292, 0.4594**, and **20.2501, 0.4883, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **43.4009, 0.4792, 0.4577**, and if you desaturate by 10%, it is **45.7956, 0.4689, 0.4592**.

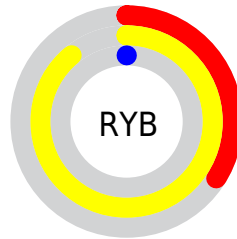
Distribution



Red (89%)

Green (65%)

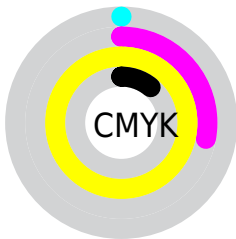
Blue (0%)



Red (34%)

Yellow (89%)

Blue (0%)

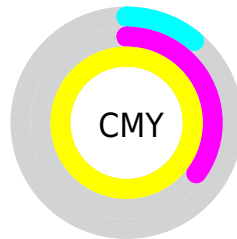


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4042, 0.4792, 0.4577 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 43.4042, 0.4792, 0.4577 by changing the saturation by 10% instead.


 43.4042, 0.4792,
0.4577


 43.4042, 0.4792,
0.4577


360.2714, 0.4047,
0.4058

 30.2024, 0.4926,
0.4648


 80.3205, 0.4557,
0.4430

 19.9923, 0.5065,
0.4705


 104.8037, 0.4457,
0.4362

 12.3894, 0.5237,
0.4763


 133.8162, 0.4368,
0.4299

 7.0095, 0.5311,
0.4689

 167.7423, 0.4289,
0.4241

 3.4680, 0.5422,
0.4578

 206.9665, 0.4218,
0.4189

 1.3807, 0.5608,
0.4392

 251.8732, 0.4155,


 0.2024, 0.7098,


0.4141

0.2902


 302.8467, 0.4098,
0.4098

 0.0000, 0.0000,
0.0000

 43.4042, 0.4792,
0.4577

 43.4042, 0.4792,
0.4577


 43.4009, 0.4792,
0.4577

 45.7956, 0.4689,
0.4592

 48.3702, 0.4557,
0.4562

 51.1549, 0.4397,
0.4484

 54.1644, 0.4216,
0.4363

 57.4113, 0.4023,
0.4209

■ 60.9069, 0.3827,
0.4033

■ 64.6615, 0.3635,
0.3846

■ 68.6844, 0.3453,
0.3656

■ 72.9843, 0.3283,
0.3469

Harmonies

Analogous

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



43.4042, 0.5224, 0.3830



43.4042, 0.4792, 0.4577



43.4042, 0.3963, 0.5204

Triad

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



43.4042, 0.4792, 0.4577



43.4042, 0.1543, 0.3042



43.4042, 0.2954, 0.2011

Complementary

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



43.4042, 0.4792, 0.4577



9.1555, 0.1590, 0.0923

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.



43.4042, 0.2071, 0.1772



43.4042, 0.4792, 0.4577



43.4042, 0.1384, 0.2195

Square

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



43.4042, 0.4792, 0.4577



43.4042, 0.2095, 0.4290



43.4042, 0.1558, 0.1812



43.4042, 0.4079, 0.2489

Rectangle

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



43.4042, 0.4792, 0.4577



43.4042, 0.3314, 0.5323



43.4042, 0.1558, 0.1812



43.4042, 0.2620, 0.1903

Sweetspot

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



43.4064, 0.4792, 0.4577



83.2667, 0.3639, 0.3850



16.8675, 0.5853, 0.2998



17.3747, 0.3720, 0.3930



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.



43.4064, 0.4792, 0.4577



55.7782, 0.4797, 0.4573



65.0045, 0.3810, 0.5357



16.1087, 0.3274, 0.3459



25.2772, 0.4781, 0.4586



2.0216, 0.4675, 0.4670

Inverse Universe

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



9.1555, 0.1590, 0.0923



11.6543, 0.1587, 0.0913



6.2647, 0.1604, 0.0657



14.5318, 0.2981, 0.3115



5.4564, 0.1597, 0.0947



0.5554, 0.1676, 0.1231

Previews

White Background



This preview shows how the Yxy color 43.4042, 0.4792, 0.4577 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 43.4042, 0.4792, 0.4577 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 43.4042, 0.4792, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 43.4042, 0.4792, 0.4577.



This preview shows how white text looks on a background with the Yxy color 43.4042, 0.4792, 0.4577.

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

43.4042, 0.4792, 0.4577

Protanopia

43.6155, 0.4387, 0.4863

Deuteranopia

43.3254, 0.4727, 0.4628



Tritanopia

43.3319, 0.3844, 0.3156

Trichromacy



Original Color

43.4042, 0.4792, 0.4577

Protanomaly

43.6063, 0.4536, 0.4759

Deuteranomaly

43.2800, 0.4756, 0.4606

Tritanomaly

42.4575, 0.4395, 0.3871

Monochromacy



Original Color

43.4042, 0.4792, 0.4577

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.6216, 0.3899, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4042, 0.4792, 0.4577 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 165, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.4042, 0.4792, 0.4577 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, 165, 0) }
```

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

```
.border{ border-color:rgb(228, 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(228, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 165,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4042, 0.4792, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 165, 0) }
```

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

```
.background{ background-color: rgb(228,  
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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