

Converting Colors

$Y_{xy}(44.8784, 0.4645, 0.4558)$

Have a look what the booklet for
Yxy(44.8784, 0.4645, 0.4558)
contains.

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Color

Yxy(44.8784, 0.4645, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	E1AA23
RGB	225, 170, 35
RGB Percent	88%, 67%, 14%
CMY	0.1176, 0.3333, 0.8625
CMYK	0.00, 0.24, 0.84, 0.12
HSL	43°, 76%, 51%
HSV	43°, 84%, 88%
XYZ	45.7350, 44.8784, 7.8473
YIQ	171.0550, 76.1150, -30.3250

Conversions

Conversions Part 2

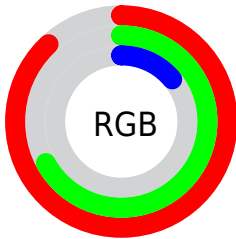
Format	Color
RYB	112, 225, 35
Decimal	14789155
CIELab	72.81, 9.00, 69.89
CIElCh	73, 70.470, 82.663
Yxy	44.8784, 0.4645, 0.4558
Android (android.graphics.Color)	4292979235 (0xFFE1AA23)
YUV	171.0550, -67.0751, 47.3098
Hunter-Lab	66.9913, 4.6271, 39.9487

Details

The Yxy color **44.8784, 0.4645, 0.4558** 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 **13.1248, 0.1728, 0.1263**, and the grayscale version is **41.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9186, 0.4186, 0.4528**, and **20.9562, 0.4799, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **42.4032, 0.4768, 0.4563**, and if you desaturate by 10%, it is **47.5649, 0.4491, 0.4503**.

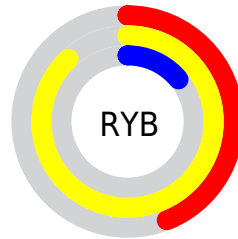
Distribution



Red (88%)

Green (67%)

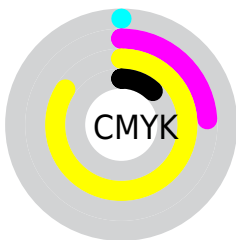
Blue (14%)



Red (44%)

Yellow (88%)

Blue (14%)

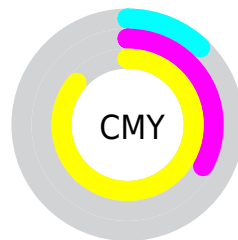


Cyan (0%)

Magenta (24%)

Yellow (84%)

Black (12%)



Cyan (12%)

Magenta (33%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8784, 0.4645, 0.4558 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 44.8784, 0.4645, 0.4558 by changing the saturation by 10% instead.


 44.8784, 0.4645,
0.4558

 44.8784, 0.4645,
0.4558


366.2809, 0.3956,
0.4020

 31.3617, 0.4775,
0.4645


 82.5379, 0.4423,
0.4395


 20.8744, 0.4915,
0.4728


 107.4495, 0.4330,
0.4324


 13.0322, 0.5083,
0.4816


 136.9281, 0.4248,
0.4259

 7.4507, 0.5187,
0.4813

 171.3581, 0.4176,
0.4201

 3.7456, 0.5266,
0.4734

 211.1241, 0.4111,
0.4149

 1.5323, 0.5397,
0.4603

 256.6102, 0.4054,

 0.3113, 0.6235,

0.4101

0.3765

308.2010, 0.4003,
0.4059

■ 0.0000, 0.0000,
0.0000

■ 44.8784, 0.4645,
0.4558

■ 44.8784, 0.4645,
0.4558

■ 42.4032, 0.4768,
0.4563

■ 47.5649, 0.4491,
0.4503

■ 41.0955, 0.4827,
0.4550

■ 50.4717, 0.4313,
0.4402

■ 53.6145, 0.4119,
0.4263

■ 57.0049, 0.3920,
0.4099

■ 60.6533, 0.3723,
0.3918

■ 64.5695, 0.3534,
0.3732

■ 68.7624, 0.3357,
0.3546

■ 73.2404, 0.3194,
0.3366

■ 78.0114, 0.3046,
0.3196

Harmonies

Analogous

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



44.8784, 0.5054, 0.3871



44.8784, 0.4645, 0.4558



44.8784, 0.3870, 0.5077

Triad

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



44.8784, 0.4645, 0.4558



44.8784, 0.1637, 0.3012



44.8784, 0.3040, 0.2123

Complementary

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



44.8784, 0.4645, 0.4558



13.1248, 0.1728, 0.1263

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.



44.8784, 0.2196, 0.1881



44.8784, 0.4645, 0.4558



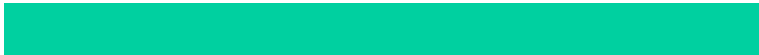
44.8784, 0.1500, 0.2252

Square

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



44.8784, 0.4645, 0.4558



44.8784, 0.2139, 0.4120



44.8784, 0.1686, 0.1905



44.8784, 0.4068, 0.2588

Rectangle

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



44.8784, 0.4645, 0.4558



44.8784, 0.3264, 0.5121



44.8784, 0.1686, 0.1905



44.8784, 0.2725, 0.2015

Sweetspot

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



44.8806, 0.4645, 0.4558



85.3309, 0.3548, 0.3746



17.9909, 0.5297, 0.2837



17.8638, 0.3614, 0.3812



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.



44.8806, 0.4645, 0.4558



54.3614, 0.4832, 0.4545



64.5515, 0.3855, 0.5213



15.3236, 0.3274, 0.3456



23.8867, 0.4815, 0.4559



1.8073, 0.4696, 0.4653

Inverse Universe

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



13.1248, 0.1728, 0.1263



12.1000, 0.1595, 0.0942



8.0627, 0.1749, 0.0832



13.8869, 0.2981, 0.3119



5.4976, 0.1605, 0.0979



0.5322, 0.1690, 0.1284

Previews

White Background



This preview shows how the Yxy color 44.8784, 0.4645, 0.4558 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 44.8784, 0.4645, 0.4558 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 44.8784, 0.4645, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 44.8784, 0.4645, 0.4558.



This preview shows how white text looks on a background with the Yxy color 44.8784, 0.4645, 0.4558.

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

44.8784, 0.4645, 0.4558

Protanopia

44.7976, 0.4329, 0.4781

Deuteranopia

45.0396, 0.4654, 0.4552



Tritanopia

44.6796, 0.3748, 0.3155

Trichromacy



Original Color

44.8784, 0.4645, 0.4558

Protanomaly

44.8859, 0.4444, 0.4700

Deuteranomaly

45.0396, 0.4654, 0.4552

Tritanomaly

44.0441, 0.4186, 0.3763

Monochromacy



Original Color

44.8784, 0.4645, 0.4558

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.6073, 0.3749, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8784, 0.4645, 0.4558 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(225, 170, 35)` looks like.

```
.text, #text, p{  
    color:rgb(225, 170, 35)  
}
```

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(225, 170, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 170, 35) }
```

Border

The CSS property to change the border of an element to Yxy 44.8784, 0.4645, 0.4558 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(225, 170, 35) }
```

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

```
.border{ border-color:rgb(225, 170, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 170, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 170, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 170, 35);  
box-shadow:4px 4px 4px 4px rgb(225, 170,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8784, 0.4645, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 170, 35) }
```

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

```
.background{ background-color: rgb(225,  
170, 35) }
```

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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