

Converting Colors

Yxy(45.8916, 0.4637, 0.4700)

Have a look what the booklet for
Yxy(45.8916, 0.4637, 0.4700)
contains.

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Color

Yxy(45.8017, 0.4641, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	DEAE00
RGB	222, 174, 0
RGB Percent	87%, 68%, 0%
CMY	0.1295, 0.3176, 0.9999
CMYK	0.00, 0.22, 1.00, 0.13
HSL	47°, 100%, 44%
HSV	47°, 100%, 87%
XYZ	45.2556, 45.8017, 6.4553
YIQ	168.5160, 84.4620, -43.9380

Conversions

Conversions Part 2

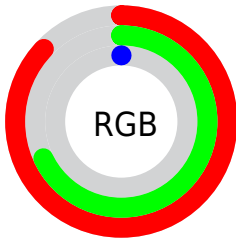
Format	Color
RYB	61, 222, 0
Decimal	14593536
CIELab	73.42, 5.02, 76.18
CIELCh	73, 76.346, 86.232
Yxy	45.8017, 0.4641, 0.4697
Android (android.graphics.Color)	4292783616 (0xFFDEAE00)
YUV	168.5160, -83.0784, 46.9055
Hunter-Lab	67.6770, 0.9284, 41.7185

Details

The Yxy color **45.8017, 0.4641, 0.4697** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.3852, 0.1558, 0.0808**, and the grayscale version is **39.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8778, 0.4222, 0.4650**, and **21.6004, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **45.8026, 0.4641, 0.4697**, and if you desaturate by 10%, it is **47.7496, 0.4560, 0.4698**.

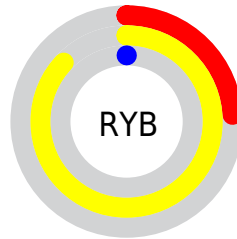
Distribution



Red (87%)

Green (68%)

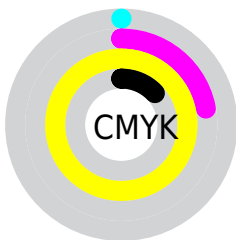
Blue (0%)



Red (24%)

Yellow (87%)

Blue (0%)

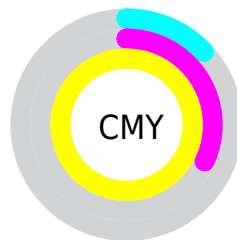


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8017, 0.4641, 0.4697 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 45.8017, 0.4641, 0.4697 by changing the saturation by 10% instead.


 45.8017, 0.4641,
0.4697


 45.8017, 0.4641,
0.4697


370.0108, 0.3979,
0.4106


 32.0894, 0.4755,
0.4789


 83.9221, 0.4436,
0.4521


 21.4298, 0.4870,
0.4875


 109.0990, 0.4348,
0.4443


 13.4385, 0.5019,
0.4981

 138.8663, 0.4268,
0.4372

 7.7312, 0.5048,
0.4952

 173.6082, 0.4198,
0.4308

 3.9234, 0.5091,
0.4909

 213.7092, 0.4134,
0.4249

 1.6308, 0.5164,
0.4836

 259.5537, 0.4077,

 0.3782, 0.5603,

0.4197

0.4397

311.5261, 0.4026,
0.4149

■ 0.0000, 0.0000,
0.0000

■ 45.8017, 0.4641,
0.4697

■ 45.8017, 0.4641,
0.4697

■ 45.8026, 0.4641,
0.4697

■ 47.7496, 0.4560,
0.4698

■ 49.8296, 0.4452,
0.4657

■ 52.0665, 0.4316,
0.4569

■ 54.4734, 0.4158,
0.4438

■ 57.0615, 0.3984,
0.4274

■ 59.8405, 0.3803,
0.4088

■ 62.8193, 0.3622,
0.3888

■ 66.0061, 0.3447,
0.3684

■ 69.4083, 0.3281,
0.3483

Harmonies

Analogous

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



45.8017, 0.5156, 0.3965



45.8017, 0.4641, 0.4697



45.8017, 0.3782, 0.5238

Triad

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



45.8017, 0.4641, 0.4697



45.8017, 0.1510, 0.2857



45.8017, 0.3155, 0.2101

Complementary

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



45.8017, 0.4641, 0.4697



7.3852, 0.1558, 0.0808

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.



45.8017, 0.2222, 0.1817



45.8017, 0.4641, 0.4697



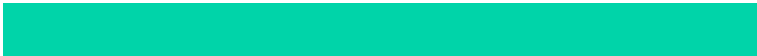
45.8017, 0.1415, 0.2113

Square

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



45.8017, 0.4641, 0.4697



45.8017, 0.1982, 0.4037



45.8017, 0.1648, 0.1803



45.8017, 0.4262, 0.2610

Rectangle

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



45.8017, 0.4641, 0.4697



45.8017, 0.3136, 0.5242



45.8017, 0.1648, 0.1803



45.8017, 0.2808, 0.1978

Sweetspot

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



45.8040, 0.4641, 0.4697



85.9170, 0.3626, 0.3893



15.7409, 0.6055, 0.3109



18.0121, 0.3703, 0.3979



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.



45.8040, 0.4641, 0.4697



62.5206, 0.4645, 0.4694



59.6114, 0.3695, 0.5448



15.5005, 0.3272, 0.3473



27.3807, 0.4633, 0.4703



2.0243, 0.4552, 0.4768

Inverse Universe

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



7.3852, 0.1558, 0.0808



9.9622, 0.1555, 0.0798



6.3268, 0.1672, 0.0695



13.7210, 0.2981, 0.3101



4.5202, 0.1564, 0.0829



0.4445, 0.1642, 0.1112

Previews

White Background



This preview shows how the Yxy color 45.8017, 0.4641, 0.4697 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 45.8017, 0.4641, 0.4697 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 45.8017, 0.4641, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 45.8017, 0.4641, 0.4697.



This preview shows how white text looks on a background with the Yxy color 45.8017, 0.4641, 0.4697.

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

45.8017, 0.4641, 0.4697

Protanopia

45.9093, 0.4395, 0.4864

Deuteranopia

45.6489, 0.4710, 0.4610



Tritanopia

45.8856, 0.3678, 0.3154

Trichromacy



Original Color

45.8017, 0.4641, 0.4697

Protanomaly

45.7050, 0.4494, 0.4796

Deuteranomaly

45.6913, 0.4688, 0.4640

Tritanomaly

44.9141, 0.4233, 0.3920

Monochromacy



Original Color

45.8017, 0.4641, 0.4697

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.8999, 0.3840, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8017, 0.4641, 0.4697 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(222, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 174, 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(222, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 174, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.8017, 0.4641, 0.4697 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(222, 174, 0) }
```

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

```
.border{ border-color:rgb(222, 174, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 174, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 174,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8017, 0.4641, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 174, 0) }
```

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

```
.background{ background-color: rgb(222,  
174, 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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