

Converting Colors

$Yxy(42.0664, 0.4673, 0.4486)$

Have a look what the booklet for
Yxy(42.0664, 0.4673, 0.4486)
contains.

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Color

Yxy(41.8841, 0.4671, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	DEA329
RGB	222, 163, 41
RGB Percent	87%, 64%, 16%
CMY	0.1294, 0.3608, 0.8393
CMYK	0.00, 0.27, 0.82, 0.13
HSL	40°, 73%, 52%
HSV	40°, 82%, 87%
XYZ	43.6211, 41.8841, 7.8819
YIQ	166.7330, 74.3260, -25.4340

Conversions

Conversions Part 2

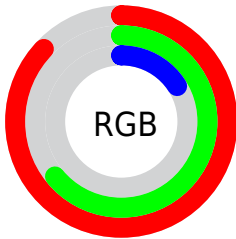
Format	Color
R _Y B	129, 222, 41
Decimal	14590761
CIE Lab	70.79, 11.58, 66.29
CIE LCh	71, 67.290, 80.093
Yxy	41.8841, 0.4671, 0.4485
Android (android.graphics.Color)	4292780841 (0xFFDEA329)
YUV	166.7330, -61.9864, 48.4692
Hunter-Lab	64.7179, 7.0560, 38.0817

Details

The Yxy color **41.8841, 0.4671, 0.4485** 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 **14.8558, 0.1785, 0.1422**, and the grayscale version is **38.7878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2659, 0.4216, 0.4450**, and **19.2697, 0.4859, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **39.2761, 0.4819, 0.4497**, and if you desaturate by 10%, it is **44.7306, 0.4493, 0.4422**.

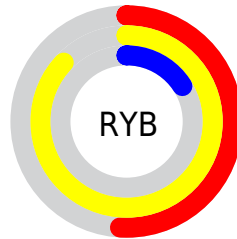
Distribution



Red (87%)

Green (64%)

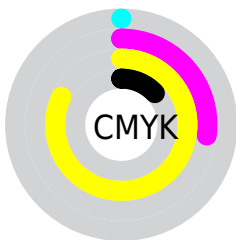
Blue (16%)



Red (51%)

Yellow (87%)

Blue (16%)

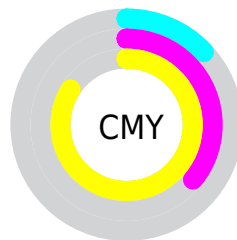


Cyan (0%)

Magenta (27%)

Yellow (82%)

Black (13%)



Cyan (13%)


Magenta (36%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8841, 0.4671, 0.4485 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 41.8841, 0.4671, 0.4485 by changing the saturation by 10% instead.


 41.8841, 0.4671,
0.4485


 41.8841, 0.4671,
0.4485


354.0023, 0.3952,
0.3974

 29.0105, 0.4813,
0.4568


 78.0242, 0.4434,
0.4330

 19.0888, 0.4969,
0.4645


 102.0595, 0.4337,
0.4262

 11.7345, 0.5160,
0.4726


 130.5842, 0.4252,
0.4201

 6.5631, 0.5291,
0.4709

 163.9827, 0.4177,
0.4146

 3.1904, 0.5401,
0.4599

 202.6393, 0.4111,
0.4096

 1.2319, 0.5587,
0.4413

 246.9386, 0.4052,

 0.0876, 0.8069,

0.4051

0.1931

297.2647, 0.3999,
0.4011

■ 0.0000, 0.0000,
0.0000

■ 41.8841, 0.4671,
0.4485

■ 41.8841, 0.4671,
0.4485

■ 39.2761, 0.4819,
0.4497

■ 44.7306, 0.4493,
0.4422

■ 37.2298, 0.4923,
0.4473

■ 47.8244, 0.4295,
0.4316

■ 51.1808, 0.4087,
0.4175

■ 54.8113, 0.3878,
0.4012

■ 58.7265, 0.3676,
0.3837

■ 62.9362, 0.3485,
0.3659

■ 67.4496, 0.3310,
0.3483

■ 72.2752, 0.3150,
0.3315

■ 77.4213, 0.3007,
0.3156

Harmonies

Analogous

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



41.8841, 0.5025, 0.3810



41.8841, 0.4671, 0.4485



41.8841, 0.3935, 0.5013

Triad

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



41.8841, 0.4671, 0.4485



41.8841, 0.1694, 0.3105



41.8841, 0.2961, 0.2114

Complementary

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



41.8841, 0.4671, 0.4485



14.8558, 0.1785, 0.1422

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.



41.8841, 0.2159, 0.1897



41.8841, 0.4671, 0.4485



41.8841, 0.1528, 0.2322

Square

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



41.8841, 0.4671, 0.4485



41.8841, 0.2220, 0.4194



41.8841, 0.1684, 0.1947



41.8841, 0.3963, 0.2556

Rectangle

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



41.8841, 0.4671, 0.4485



41.8841, 0.3344, 0.5091



41.8841, 0.1684, 0.1947



41.8841, 0.2660, 0.2015

Sweetspot

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



41.8862, 0.4671, 0.4485



84.5941, 0.3534, 0.3706



18.0605, 0.5083, 0.2759



17.6620, 0.3602, 0.3770



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.



41.8862, 0.4671, 0.4485



51.3724, 0.4906, 0.4476



63.5857, 0.3900, 0.5143



15.2372, 0.3275, 0.3448



22.3247, 0.4909, 0.4484



1.7083, 0.4772, 0.4593

Inverse Universe

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



14.8558, 0.1785, 0.1422



13.9955, 0.1632, 0.1063



8.2046, 0.1753, 0.0867



13.9691, 0.2981, 0.3127



6.0928, 0.1630, 0.1066



0.5815, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 41.8841, 0.4671, 0.4485 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 41.8841, 0.4671, 0.4485 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 41.8841, 0.4671, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 41.8841, 0.4671, 0.4485.



This preview shows how white text looks on a background with the Yxy color 41.8841, 0.4671, 0.4485.

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

41.8841, 0.4671, 0.4485

Protanopia

42.0561, 0.4298, 0.4744

Deuteranopia

41.9689, 0.4618, 0.4533



Tritanopia

41.7588, 0.3800, 0.3164

Trichromacy



Original Color

41.8841, 0.4671, 0.4485

Protanomaly

41.9030, 0.4435, 0.4648

Deuteranomaly

41.7642, 0.4638, 0.4518

Tritanomaly

41.2776, 0.4203, 0.3725

Monochromacy



Original Color

41.8841, 0.4671, 0.4485

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2177, 0.3740, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8841, 0.4671, 0.4485 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, 163, 41)` looks like.

```
.text, #text, p{  
    color:rgb(222, 163, 41)  
}
```

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, 163, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 163, 41) }
```

Border

The CSS property to change the border of an element to Yxy 41.8841, 0.4671, 0.4485 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, 163, 41) }
```

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

```
.border{ border-color:rgb(222, 163, 41) }
```

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

Here you see how a box with a 4 pixel rgb(222, 163, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 163, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 163, 41);  
box-shadow:4px 4px 4px 4px rgb(222, 163,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8841, 0.4671, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 163, 41) }
```

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

```
.background{ background-color: rgb(222,  
163, 41) }
```

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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