

Converting Colors

$Y_{xy}(41.9219, 0.4375, 0.4276)$

Have a look what the booklet for
Yxy(41.9219, 0.4375, 0.4276)
contains.

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Color

Yxy(41.9219, 0.4375, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	D7A54F
RGB	215, 165, 79
RGB Percent	84%, 65%, 31%
CMY	0.1568, 0.3529, 0.6902
CMYK	0.00, 0.23, 0.63, 0.16
HSL	38°, 63%, 58%
HSV	38°, 63%, 84%
XYZ	42.8925, 41.9219, 13.2256
YIQ	170.1460, 57.4060, -16.1460

Conversions

Conversions Part 2

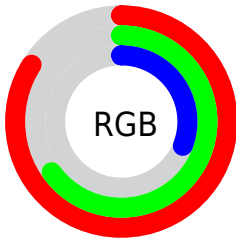
Format	Color
RYB	158, 215, 79
Decimal	14132559
CIELab	70.82, 9.31, 50.64
CIElCh	71, 51.484, 79.587
Yxy	41.9219, 0.4375, 0.4276
Android (android.graphics.Color)	4292322639 (0xFFD7A54F)
YUV	170.1460, -44.9350, 39.3370
Hunter-Lab	64.7471, 4.9420, 33.2121

Details

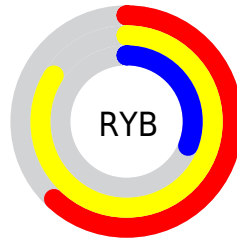
The Yxy color **41.9219, 0.4375, 0.4276** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.2679, 0.2066, 0.1971**, and the grayscale version is **40.4830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0851, 0.4006, 0.4184**, and **19.0575, 0.4683, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **38.8958, 0.4588, 0.4369**, and if you desaturate by 10%, it is **45.2296, 0.4153, 0.4148**.

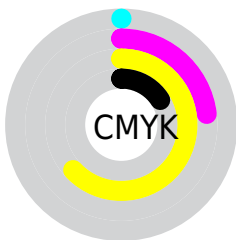
Distribution



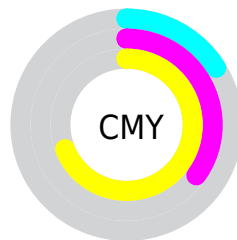
- Red (84%)
- Green (65%)
- Blue (31%)



- Red (62%)
- Yellow (84%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (63%)
- Black (16%)





- Cyan (16%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9219, 0.4375, 0.4276 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 41.9219, 0.4375, 0.4276 by changing the saturation by 10% instead.


 41.9219, 0.4375,
0.4276


 41.9219, 0.4375,
0.4276


354.1591, 0.3766,
0.3821


 29.0401, 0.4511,
0.4368


 78.0814, 0.4163,
0.4125


 19.1112, 0.4674,
0.4470


 102.1280, 0.4080,
0.4064

 11.7506, 0.4863,
0.4575


 130.6649, 0.4009,
0.4010

 6.5741, 0.5146,
0.4729

 164.0766, 0.3947,
0.3963

 3.1972, 0.5300,
0.4700

 202.7475, 0.3894,
0.3921

 1.2355, 0.5452,
0.4548

247.0619, 0.3846,

 0.0905, 0.7759,

0.3884

0.2241

297.4043, 0.3804,
0.3851

0.0000, 0.0000,
0.0000

41.9219, 0.4375,
0.4276

41.9219, 0.4375,
0.4276

38.8958, 0.4588,
0.4369

45.2296, 0.4153,
0.4148

36.1318, 0.4781,
0.4415

48.8246, 0.3932,
0.3997

33.6164, 0.4943,
0.4410

52.7198, 0.3720,
0.3833

32.0463, 0.5037,
0.4383

56.9254, 0.3522,
0.3665

61.4507, 0.3340,
0.3499

■ 66.3046, 0.3177,
0.3340

■ 71.4957, 0.3030,
0.3190

■ 77.0320, 0.2900,
0.3050

■ 81.7424, 0.2881,
0.3094

Harmonies

Analogous

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



41.9219, 0.4607, 0.3751



41.9219, 0.4375, 0.4276



41.9219, 0.3817, 0.4627

Triad

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



41.9219, 0.4375, 0.4276



41.9219, 0.1998, 0.3187



41.9219, 0.2999, 0.2340

Complementary

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



41.9219, 0.4375, 0.4276



22.2679, 0.2066, 0.1971

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.



41.9219, 0.2358, 0.2167



41.9219, 0.4375, 0.4276



41.9219, 0.1839, 0.2560

Square

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



41.9219, 0.4375, 0.4276



41.9219, 0.2446, 0.3980



41.9219, 0.1962, 0.2227



41.9219, 0.3764, 0.2706

Rectangle

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



41.9219, 0.4375, 0.4276



41.9219, 0.3351, 0.4643



41.9219, 0.1962, 0.2227



41.9219, 0.2762, 0.2259

Sweetspot

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



41.9239, 0.4375, 0.4276



86.4202, 0.3446, 0.3597



21.6810, 0.4340, 0.2694



18.0928, 0.3499, 0.3645



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.



41.9239, 0.4375, 0.4276



55.7767, 0.4658, 0.4390



61.3312, 0.3874, 0.4819



13.7166, 0.3275, 0.3437



19.3743, 0.5021, 0.4396



1.3241, 0.4841, 0.4538

Inverse Universe

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



22.2679, 0.2066, 0.1971



24.8430, 0.1873, 0.1645



12.9224, 0.2008, 0.1313



12.7489, 0.2982, 0.3138



6.4687, 0.1661, 0.1181



0.5457, 0.1759, 0.1531

Previews

White Background



This preview shows how the Yxy color 41.9219, 0.4375, 0.4276 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 41.9219, 0.4375, 0.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

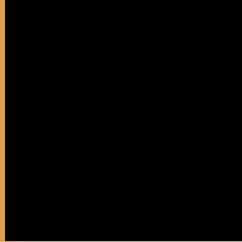
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9219, 0.4375, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 41.9219, 0.4375, 0.4276.



This preview shows how white text looks on a background with the Yxy color 41.9219, 0.4375, 0.4276.

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

41.9219, 0.4375, 0.4276

Protanopia

42.0878, 0.4060, 0.4451

Deuteranopia

41.9219, 0.4375, 0.4276



Tritanopia

41.7623, 0.3681, 0.3149

Trichromacy



Original Color

41.9219, 0.4375, 0.4276

Protanomaly

41.9993, 0.4168, 0.4391

Deuteranomaly

41.9219, 0.4375, 0.4276

Tritanomaly

41.6056, 0.3960, 0.3583

Monochromacy



Original Color

41.9219, 0.4375, 0.4276

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2505, 0.3576, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9219, 0.4375, 0.4276 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(215, 165, 79)` looks like.

```
.text, #text, p{  
    color:rgb(215, 165, 79)  
}
```

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(215, 165, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 165, 79) }
```

Border

The CSS property to change the border of an element to Yxy 41.9219, 0.4375, 0.4276 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(215, 165, 79) }
```

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

```
.border{ border-color:rgb(215, 165, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 165, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 165, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 165, 79);  
box-shadow:4px 4px 4px 4px rgb(215, 165,  
79) }
```


Background

The CSS property to change the background color of an element to `rgb(41.9219, 0.4375, 0.4276)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 165, 79) }
```

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

```
.background{ background-color: rgb(215,  
165, 79) }
```

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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