

Converting Colors

$Y_{xy}(42.5172, 0.4904, 0.4270)$

Have a look what the booklet for
Yxy(42.5172, 0.4904, 0.4270)
contains.

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Color

Yxy(42.5172, 0.4904, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	F29B2E
RGB	242, 155, 46
RGB Percent	95%, 61%, 18%
CMY	0.0510, 0.3921, 0.8193
CMYK	0.00, 0.36, 0.81, 0.05
HSL	33°, 88%, 56%
HSV	33°, 81%, 95%
XYZ	48.8301, 42.5172, 8.2246
YIQ	168.5870, 86.8410, -15.4550

Conversions

Conversions Part 2

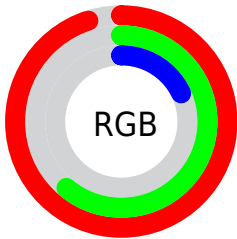
Format	Color
R _Y B	202, 242, 46
Decimal	15899438
CIE Lab	71.23, 24.48, 65.85
CIE LCh	71, 70.249, 69.606
Yxy	42.5172, 0.4904, 0.4270
Android (android.graphics.Color)	4294089518 (0xFFFF29B2E)
YUV	168.5870, -60.4354, 64.3832
Hunter-Lab	65.2052, 19.5637, 38.1651

Details

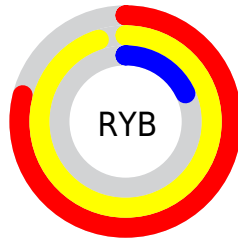
The Yxy color **42.5172, 0.4904, 0.4270** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.7794, 0.1871, 0.1741**, and the grayscale version is **39.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2928, 0.4247, 0.4352**, and **19.6039, 0.5178, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **38.9606, 0.5109, 0.4256**, and if you desaturate by 10%, it is **46.5038, 0.4668, 0.4230**.

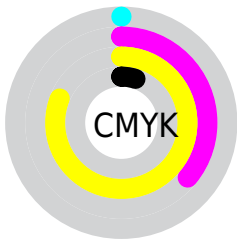
Distribution



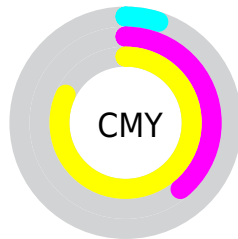
- Red (95%)
- Green (61%)
- Blue (18%)



- Red (79%)
- Yellow (95%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (81%)
- Black (5%)





- Cyan (5%)
- Magenta (39%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5172, 0.4904, 0.4270 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 42.5172, 0.4904, 0.4270 by changing the saturation by 10% instead.


 42.5172, 0.4904,
0.4270

 42.5172, 0.4904,
0.4270


356.6225, 0.4065,
0.3890

 29.5065, 0.5076,
0.4317


 78.9818, 0.4623,
0.4166


 19.4643, 0.5271,
0.4348


 103.2045, 0.4510,
0.4117


 12.0062, 0.5506,
0.4361


 131.9332, 0.4410,
0.4070

 6.7479, 0.5720,
0.4280

 165.5525, 0.4324,
0.4028

 3.3050, 0.5927,
0.4073

 204.4467, 0.4247,
0.3989

 1.2929, 0.6266,
0.3734

 249.0001, 0.4179,

 0.1357, 0.8426,

0.3953

0.1574

299.5973, 0.4119,
0.3920

■ 0.0000, 0.0000,
0.0000

■ 42.5172, 0.4904,
0.4270

■ 42.5172, 0.4904,
0.4270

■ 38.9606, 0.5109,
0.4256

■ 46.5038, 0.4668,
0.4230


■ 36.0803, 0.5265,
0.4201


■ 50.9375, 0.4417,
0.4145

■ 55.8412, 0.4164,
0.4027

■ 61.2340, 0.3921,
0.3888

■ 67.1333, 0.3695,
0.3740

 73.5553, 0.3489,
0.3589

 80.5154, 0.3305,
0.3443

 88.0284, 0.3142,
0.3303

 95.5243, 0.3048,
0.3258

Harmonies

Analogous

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



42.5172, 0.5082, 0.3572



42.5172, 0.4904, 0.4270



42.5172, 0.4247, 0.4913

Triad

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



42.5172, 0.4904, 0.4270



42.5172, 0.1792, 0.3472



42.5172, 0.2627, 0.1972

Complementary

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



42.5172, 0.4904, 0.4270



23.7794, 0.1871, 0.1741

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.



42.5172, 0.1918, 0.1840



42.5172, 0.4904, 0.4270



42.5172, 0.1500, 0.2515

Square

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



42.5172, 0.4904, 0.4270



42.5172, 0.2456, 0.4603



42.5172, 0.1549, 0.1995



42.5172, 0.3626, 0.2351

Rectangle

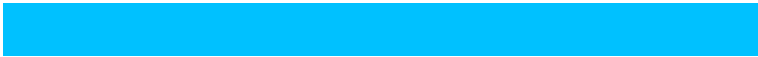
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5172, 0.4904, 0.4270



42.5172, 0.3666, 0.5158



42.5172, 0.1549, 0.1995



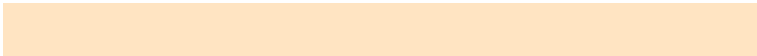
42.5172, 0.2352, 0.1899

Sweetspot

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



42.5194, 0.4904, 0.4270



80.5401, 0.3551, 0.3636



22.5619, 0.4696, 0.2528



16.6852, 0.3624, 0.3690



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.



42.5194, 0.4904, 0.4270



41.5867, 0.5219, 0.4219



80.8812, 0.4068, 0.5017



17.2166, 0.3279, 0.3421



19.6623, 0.5243, 0.4219



1.8338, 0.5067, 0.4359

Inverse Universe

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



23.7794, 0.1871, 0.1741



20.0986, 0.1731, 0.1417



9.2063, 0.1654, 0.0817



16.3838, 0.2980, 0.3155



9.4043, 0.1721, 0.1397



0.9777, 0.1792, 0.1650

Previews

White Background



This preview shows how the Yxy color 42.5172, 0.4904, 0.4270 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 42.5172, 0.4904, 0.4270 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 42.5172, 0.4904, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 42.5172, 0.4904, 0.4270.



This preview shows how white text looks on a background with the Yxy color 42.5172, 0.4904, 0.4270.

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

42.5172, 0.4904, 0.4270

Protanopia

42.6347, 0.4268, 0.4703

Deuteranopia

42.6482, 0.4622, 0.4526



Tritanopia

42.5738, 0.4096, 0.3185

Trichromacy



Original Color

42.5172, 0.4904, 0.4270

Protanomaly

42.3731, 0.4504, 0.4544

Deuteranomaly

42.5091, 0.4726, 0.4430

Tritanomaly

42.3255, 0.4476, 0.3654

Monochromacy



Original Color

42.5172, 0.4904, 0.4270

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.7419, 0.3813, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5172, 0.4904, 0.4270 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(242, 155, 46)` looks like.

```
.text, #text, p{  
    color:rgb(242, 155, 46)  
}
```

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(242, 155, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 155, 46) }
```

Border

The CSS property to change the border of an element to Yxy 42.5172, 0.4904, 0.4270 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(242, 155, 46) }
```

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

```
.border{ border-color:rgb(242, 155, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 155, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 155, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 155, 46);  
box-shadow:4px 4px 4px 4px rgb(242, 155,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5172, 0.4904, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 155, 46) }
```

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

```
.background{ background-color: rgb(242,  
155, 46) }
```

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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