

Converting Colors

$Yxy(42.9743, 0.4746, 0.4117)$

Have a look what the booklet for
Yxy(42.9743, 0.4746, 0.4117)
contains.

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Color

Yxy(43.1221, 0.4748, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	F29C48
RGB	242, 156, 72
RGB Percent	95%, 61%, 28%
CMY	0.0509, 0.3883, 0.7177
CMYK	0.00, 0.36, 0.70, 0.05
HSL	30°, 87%, 62%
HSV	30°, 70%, 95%
XYZ	49.6830, 43.1221, 11.8348
YIQ	172.1380, 78.2200, -7.8920

Conversions

Conversions Part 2

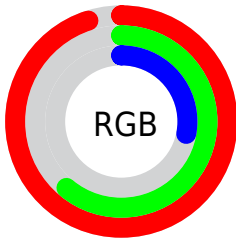
Format	Color
R_{YB}	242, 238, 72
Decimal	15899720
CIE _{Lab}	71.64, 25.02, 55.65
CIE _{LCh}	72, 61.019, 65.789
Yxy	43.1221, 0.4748, 0.4121
Android (android.graphics.Color)	4294089800 (0xFFFF29C48)
YUV	172.1380, -49.3680, 61.2690
Hunter-Lab	65.6674, 20.1325, 35.2818

Details

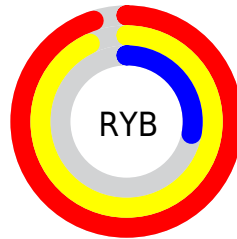
The Yxy color **43.1221, 0.4748, 0.4121** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.2544, 0.2038, 0.2125**, and the grayscale version is **41.5548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3038, 0.4099, 0.4167**, and **19.7649, 0.5135, 0.4210** is the 20% darker color. If you saturate the color by 10%, you get **38.9634, 0.5017, 0.4151**, and if you desaturate by 10%, it is **47.8238, 0.4467, 0.4047**.

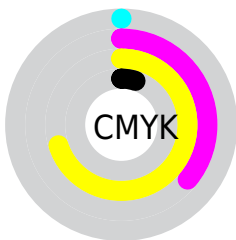
Distribution



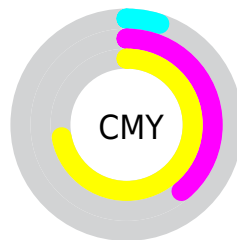
- Red (95%)
- Green (61%)
- Blue (28%)



- Red (95%)
- Yellow (93%)
- Blue (28%)



- Cyan (0%)
- Magenta (36%)
- Yellow (70%)
- Black (5%)





- Cyan (5%)
- Magenta (39%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1221, 0.4748, 0.4121 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 43.1221, 0.4748, 0.4121 by changing the saturation by 10% instead.


 43.1221, 0.4748,
0.4121


 43.1221, 0.4748,
0.4121


359.1137, 0.3960,
0.3783

 29.9809, 0.4923,
0.4172


 79.8951, 0.4475,
0.4022

 19.8241, 0.5129,
0.4215


 104.2957, 0.4368,
0.3977


 12.2673, 0.5370,
0.4237


 133.2182, 0.4276,
0.3937

 6.9260, 0.5730,
0.4270

 167.0471, 0.4196,
0.3900

 3.4158, 0.5938,
0.4062

 206.1666, 0.4126,
0.3866

 1.3525, 0.6274,
0.3726

250.9613, 0.4064,

 0.1813, 0.8120,

0.3836

0.1880

301.8156, 0.4009,
0.3808

■ 0.0000, 0.0000,
0.0000

■ 43.1221, 0.4748,
0.4121

■ 43.1221, 0.4748,
0.4121

■ 38.9634, 0.5017,
0.4151

■ 47.8238, 0.4467,
0.4047

■ 35.3134, 0.5255,
0.4127


■ 53.0868, 0.4191,
0.3941

■ 32.2099, 0.5450,
0.4055

■ 58.9357, 0.3931,
0.3816


■ 65.3917, 0.3694,
0.3682

■ 72.4744, 0.3481,
0.3547

 80.2026, 0.3294,
0.3417

 88.5941, 0.3131,
0.3293

 96.9629, 0.3048,
0.3280

 97.6220, 0.3048,
0.3290

Harmonies

Analogous

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



43.1221, 0.4808, 0.3496



43.1221, 0.4748, 0.4121



43.1221, 0.4232, 0.4678

Triad

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



43.1221, 0.4748, 0.4121



43.1221, 0.2015, 0.3585



43.1221, 0.2599, 0.2086

Complementary

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



43.1221, 0.4748, 0.4121



32.2544, 0.2038, 0.2125

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.



43.1221, 0.1997, 0.2001



43.1221, 0.4748, 0.4121



43.1221, 0.1695, 0.2717

Square

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



43.1221, 0.4748, 0.4121



43.1221, 0.2652, 0.4501



43.1221, 0.1696, 0.2191



43.1221, 0.3451, 0.2404

Rectangle

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



43.1221, 0.4748, 0.4121



43.1221, 0.3736, 0.4891



43.1221, 0.1696, 0.2191



43.1221, 0.2366, 0.2030

Sweetspot

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



43.1243, 0.4748, 0.4121



80.9322, 0.3498, 0.3558



26.0490, 0.4225, 0.2431



16.8383, 0.3554, 0.3595



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.



43.1243, 0.4748, 0.4121



42.1669, 0.5116, 0.4148



81.1960, 0.4088, 0.4830



17.0485, 0.3281, 0.3407



17.5719, 0.5424, 0.4075



1.6606, 0.5219, 0.4238

Inverse Universe

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



32.2544, 0.2038, 0.2125



29.2405, 0.1886, 0.1855



12.7993, 0.1776, 0.1072



16.5508, 0.2980, 0.3170



11.2552, 0.1777, 0.1598



1.1355, 0.1843, 0.1834

Previews

White Background



This preview shows how the Yxy color 43.1221, 0.4748, 0.4121 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 43.1221, 0.4748, 0.4121 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 43.1221, 0.4748, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 43.1221, 0.4748, 0.4121.



This preview shows how white text looks on a background with the Yxy color 43.1221, 0.4748, 0.4121.

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

43.1221, 0.4748, 0.4121

Protanopia

43.2028, 0.4101, 0.4497

Deuteranopia

43.1272, 0.4461, 0.4362



Tritanopia

43.1102, 0.4046, 0.3173

Trichromacy



Original Color

43.1221, 0.4748, 0.4121

Protanomaly

42.8948, 0.4333, 0.4359

Deuteranomaly

42.9675, 0.4564, 0.4275

Tritanomaly

42.7575, 0.4340, 0.3542

Monochromacy



Original Color

43.1221, 0.4748, 0.4121

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.9203, 0.3702, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1221, 0.4748, 0.4121 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, 156, 72)` looks like.

```
.text, #text, p{  
    color:rgb(242, 156, 72)  
}
```

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, 156, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 156, 72) }
```

Border

The CSS property to change the border of an element to Yxy 43.1221, 0.4748, 0.4121 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, 156, 72) }
```

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

```
.border{ border-color:rgb(242, 156, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 156, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 156, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 156, 72);  
box-shadow:4px 4px 4px 4px rgb(242, 156,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1221, 0.4748, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 156, 72) }
```

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

```
.background{ background-color: rgb(242,  
156, 72) }
```

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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