

Converting Colors

$Y_{xy}(52.8155, 0.4910, 0.3897)$

Have a look what the booklet for
Yxy(52.8155, 0.4910, 0.3897)
contains.

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Color

Yxy(47.1229, 0.4699, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	FFA059
RGB	255, 160, 89
RGB Percent	100%, 63%, 35%
CMY	0.0001, 0.3725, 0.6511
CMYK	0.00, 0.37, 0.65, 0.00
HSL	26°, 100%, 67%
HSV	26°, 65%, 100%
XYZ	55.6079, 47.1229, 15.6090
YIQ	180.3110, 79.4110, -1.9410

Conversions

Conversions Part 2

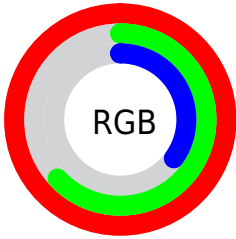
Format	Color
R _Y B	255, 213, 89
Decimal	16752729
CIE Lab	74.27, 29.10, 50.96
CIE LCh	74, 58.684, 60.274
Yxy	47.1229, 0.4699, 0.3982
Android (android.graphics.Color)	4294942809 (0xFFFFA059)
YUV	180.3110, -45.0163, 65.5023
Hunter-Lab	68.6461, 24.4660, 34.5707

Details

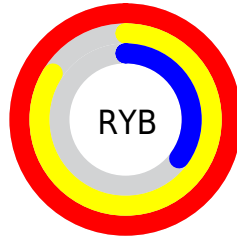
The Yxy color **47.1229, 0.4699, 0.3982** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.5940, 0.2137, 0.2372**, and the grayscale version is **46.0329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7840, 0.3964, 0.4045**, and **22.3409, 0.5080, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **42.0041, 0.5010, 0.4021**, and if you desaturate by 10%, it is **52.9882, 0.4389, 0.3905**.

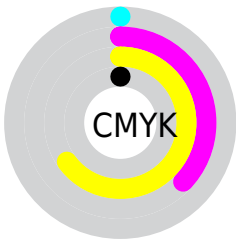
Distribution



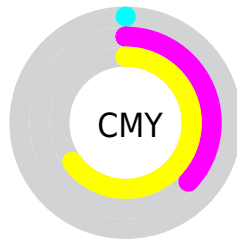
- Red (100%)
- Green (63%)
- Blue (35%)



- Red (100%)
- Yellow (84%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1229, 0.4699, 0.3982 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 47.1229, 0.4699, 0.3982 by changing the saturation by 10% instead.


 47.1229, 0.4699,
0.3982


 47.1229, 0.4699,
0.3982

375.3049, 0.3934,
0.3707

 33.1328, 0.4872,
0.4023


 85.8970, 0.4432,
0.3902


 22.2282, 0.5081,
0.4060


 111.4499, 0.4328,
0.3866

 14.0247, 0.5332,
0.4080


 141.6258, 0.4239,
0.3833

 8.1378, 0.5646,
0.4070

 176.8092, 0.4162,
0.3803

 4.1833, 0.6021,
0.3979

217.3843, 0.4094,
0.3775

 1.7766, 0.6349,
0.3651

263.7358, 0.4034,

 0.4725, 0.7177,

0.3750

0.2823

316.2478, 0.3981,
0.3728

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.1229, 0.4699,
0.3982

47.1229, 0.4699,
0.3982

42.0041, 0.5010,
0.4021

52.9882, 0.4389,
0.3905

37.5879, 0.5300,
0.4010


59.6258, 0.4096,
0.3804


33.8355, 0.5545,
0.3944

67.0690, 0.3829,
0.3690

32.2205, 0.5649,
0.3896

75.3466, 0.3593,
0.3572

 84.4856, 0.3387,
0.3455

 94.5121, 0.3208,
0.3344

99.9964, 0.3127,
0.3290

Harmonies

Analogous

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



47.1229, 0.4651, 0.3389



47.1229, 0.4699, 0.3982



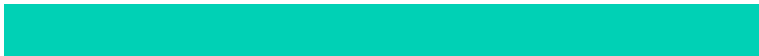
47.1229, 0.4288, 0.4522

Triad

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



47.1229, 0.4699, 0.3982



47.1229, 0.2174, 0.3736



47.1229, 0.2509, 0.2118

Complementary

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



47.1229, 0.4699, 0.3982



43.5940, 0.2137, 0.2372

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.



47.1229, 0.1986, 0.2085



47.1229, 0.4699, 0.3982



47.1229, 0.1807, 0.2890

Square

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



47.1229, 0.4699, 0.3982



47.1229, 0.2824, 0.4527



47.1229, 0.1751, 0.2326



47.1229, 0.3277, 0.2383

Rectangle

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



47.1229, 0.4699, 0.3982



47.1229, 0.3847, 0.4755



47.1229, 0.1751, 0.2326



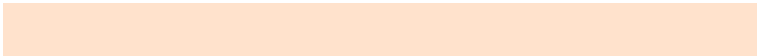
47.1229, 0.2303, 0.2080

Sweetspot

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



47.1253, 0.4699, 0.3982



79.9182, 0.3484, 0.3512



31.9333, 0.3966, 0.2361



16.5627, 0.3543, 0.3545



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.



47.1253, 0.4699, 0.3982



40.6625, 0.5097, 0.4023



84.9746, 0.4108, 0.4684



19.2653, 0.3284, 0.3392



17.1209, 0.5621, 0.3919



1.8786, 0.5420, 0.4078

Inverse Universe

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



43.5940, 0.2137, 0.2372



36.7664, 0.1994, 0.2154



19.0028, 0.1890, 0.1330



19.1030, 0.2979, 0.3186



14.7953, 0.1839, 0.1821



1.6575, 0.1890, 0.2004

Previews

White Background



This preview shows how the Yxy color 47.1229, 0.4699, 0.3982 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 47.1229, 0.4699, 0.3982 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 47.1229, 0.4699, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 47.1229, 0.4699, 0.3982.



This preview shows how white text looks on a background with the Yxy color 47.1229, 0.4699, 0.3982.

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

47.1229, 0.4699, 0.3982

Protanopia

47.2866, 0.3990, 0.4343

Deuteranopia

47.1127, 0.4354, 0.4258



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.1229, 0.4699, 0.3982

Protanomaly

46.8402, 0.4244, 0.4214

Deuteranomaly

47.0686, 0.4486, 0.4153

Tritanomaly

46.8431, 0.4297, 0.3492

Monochromacy



Original Color

47.1229, 0.4699, 0.3982

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2591, 0.3672, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1229, 0.4699, 0.3982 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(255, 160, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 89)  
}
```

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(255, 160, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 89) }
```

Border

The CSS property to change the border of an element to Yxy 47.1229, 0.4699, 0.3982 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(255, 160, 89) }
```

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

```
.border{ border-color:rgb(255, 160, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1229, 0.4699, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 89) }
```

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

```
.background{ background-color: rgb(255,  
160, 89) }
```

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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