

Converting Colors

$Y_{xy}(46.7329, 0.4969, 0.4277)$

Have a look what the booklet for
Yxy(46.7329, 0.4969, 0.4277)
contains.

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Color

Yxy(46.9098, 0.4963, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	FFA129
RGB	255, 161, 41
RGB Percent	100%, 63%, 16%
CMY	0.0000, 0.3686, 0.8393
CMYK	0.00, 0.37, 0.84, 0.00
HSL	34°, 100%, 58%
HSV	34°, 84%, 100%
XYZ	54.3829, 46.9098, 8.2840
YIQ	175.4260, 94.5440, -17.3920

Conversions

Conversions Part 2

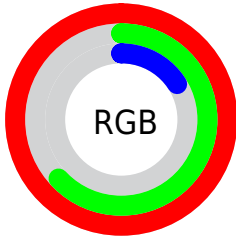
Format	Color
R _Y B	209, 255, 41
Decimal	16752937
CIE Lab	74.13, 26.59, 70.65
CIE LCh	74, 75.492, 69.375
Yxy	46.9098, 0.4963, 0.4281
Android (android.graphics.Color)	4294943017 (0xFFFFA129)
YUV	175.4260, -66.2720, 69.7864
Hunter-Lab	68.4907, 21.8736, 40.7723

Details

The Yxy color **46.9098, 0.4963, 0.4281** 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 **25.0084, 0.1834, 0.1661**, and the grayscale version is **43.4167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2536, 0.4224, 0.4426**, and **22.1437, 0.5213, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **43.0477, 0.5154, 0.4250**, and if you desaturate by 10%, it is **51.2423, 0.4737, 0.4257**.

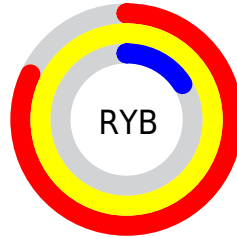
Distribution



Red (100%)

Green (63%)

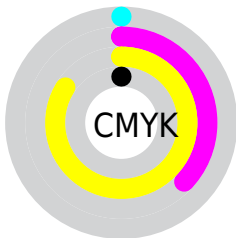
Blue (16%)



Red (82%)

Yellow (100%)

Blue (16%)

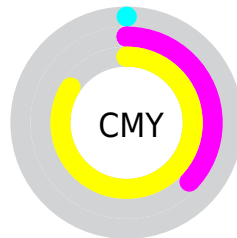


Cyan (0%)

Magenta (37%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9098, 0.4963, 0.4281 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 46.9098, 0.4963, 0.4281 by changing the saturation by 10% instead.


 46.9098, 0.4963,
0.4281


 46.9098, 0.4963,
0.4281


374.4544, 0.4118,
0.3916


 32.9644, 0.5130,
0.4321


 85.5790, 0.4686,
0.4186

 22.0991, 0.5317,
0.4344


 111.0715, 0.4572,
0.4139

 13.9298, 0.5536,
0.4345


 141.1818, 0.4472,
0.4095

 8.0718, 0.5738,
0.4262

 176.2943, 0.4384,
0.4053

 4.1409, 0.5934,
0.4066

 216.7935, 0.4306,
0.4014

 1.7527, 0.6243,
0.3757

 263.0636, 0.4236,

 0.4574, 0.7078,

0.3979

0.2922

315.4891, 0.4174,
0.3946

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9098, 0.4963,
0.4281

■ 46.9098, 0.4963,
0.4281

■ 43.0477, 0.5154,
0.4250

■ 51.2423, 0.4737,
0.4257

■ 40.9077, 0.5255,
0.4210

■ 56.0661, 0.4491,
0.4183

■ 61.4076, 0.4238,
0.4073

■ 67.2888, 0.3992,
0.3938

73.7296, 0.3761,
0.3790

80.7486, 0.3549,
0.3638

88.3635, 0.3358,
0.3488

96.5907, 0.3188,
0.3344

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



46.9098, 0.5153, 0.3563



46.9098, 0.4963, 0.4281



46.9098, 0.4279, 0.4958

Triad

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



46.9098, 0.4963, 0.4281



46.9098, 0.1749, 0.3484



46.9098, 0.2600, 0.1930

Complementary

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



46.9098, 0.4963, 0.4281



25.0084, 0.1834, 0.1661

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.



46.9098, 0.1874, 0.1796



46.9098, 0.4963, 0.4281



46.9098, 0.1451, 0.2487

Square

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



46.9098, 0.4963, 0.4281



46.9098, 0.2432, 0.4672



46.9098, 0.1501, 0.1953



46.9098, 0.3634, 0.2316

Rectangle

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



46.9098, 0.4963, 0.4281



46.9098, 0.3680, 0.5229



46.9098, 0.1501, 0.1953



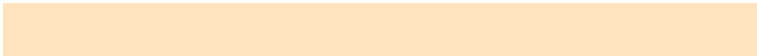
46.9098, 0.2318, 0.1856

Sweetspot

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



46.9122, 0.4963, 0.4281



79.9733, 0.3570, 0.3654



24.6576, 0.4786, 0.2534



16.5801, 0.3643, 0.3707



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.



46.9122, 0.4963, 0.4281



40.9104, 0.5255, 0.4210



90.9605, 0.4080, 0.5045



19.6773, 0.3280, 0.3423



21.6793, 0.5232, 0.4227



2.3286, 0.5081, 0.4347

Inverse Universe

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



25.0084, 0.1834, 0.1661



18.8043, 0.1708, 0.1347



9.5259, 0.1617, 0.0761



18.6904, 0.2979, 0.3153



10.1111, 0.1716, 0.1377



1.1976, 0.1777, 0.1596

Previews

White Background



This preview shows how the Yxy color 46.9098, 0.4963, 0.4281 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 46.9098, 0.4963, 0.4281 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 46.9098, 0.4963, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 46.9098, 0.4963, 0.4281.



This preview shows how white text looks on a background with the Yxy color 46.9098, 0.4963, 0.4281.

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

46.9098, 0.4963, 0.4281

Protanopia

47.0513, 0.4297, 0.4743

Deuteranopia

46.8256, 0.4660, 0.4559



Tritanopia

47.0155, 0.4041, 0.3198

Trichromacy



Original Color

46.9098, 0.4963, 0.4281

Protanomaly

46.5374, 0.4542, 0.4571

Deuteranomaly

46.8602, 0.4767, 0.4457

Tritanomaly

46.7059, 0.4465, 0.3683

Monochromacy



Original Color

46.9098, 0.4963, 0.4281

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.0932, 0.3846, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9098, 0.4963, 0.4281 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, 161, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 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(255, 161, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 41) }
```

Border

The CSS property to change the border of an element to Yxy 46.9098, 0.4963, 0.4281 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, 161, 41) }
```

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

```
.border{ border-color:rgb(255, 161, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9098, 0.4963, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 41) }
```

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

```
.background{ background-color: rgb(255,  
161, 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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