

Converting Colors

$Yxy(47.3492, 0.4777, 0.4088)$

Have a look what the booklet for
Yxy(47.3492, 0.4777, 0.4088)
contains.

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Color

Yxy(47.2715, 0.4782, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	FFA14C
RGB	255, 161, 76
RGB Percent	100%, 63%, 30%
CMY	0.0001, 0.3685, 0.7019
CMYK	0.00, 0.37, 0.70, 0.00
HSL	28°, 100%, 65%
HSV	28°, 70%, 100%
XYZ	55.2830, 47.2715, 13.0520
YIQ	179.4160, 83.3090, -6.5070

Conversions

Conversions Part 2

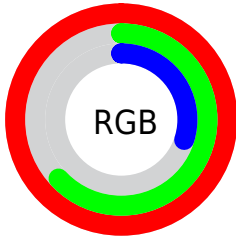
Format	Color
RYB	255, 238, 76
Decimal	16752972
CIELab	74.36, 27.87, 57.19
CIELCh	74, 63.617, 64.014
Yxy	47.2715, 0.4782, 0.4089
Android (android.graphics.Color)	4294943052 (0xFFFFA14C)
YUV	179.4160, -50.9841, 66.2872
Hunter-Lab	68.7543, 23.2060, 36.8727

Details

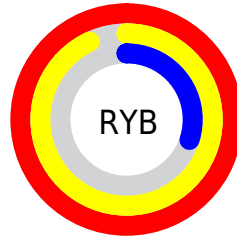
The Yxy color **47.2715, 0.4782, 0.4089** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.4970, 0.2048, 0.2169**, and the grayscale version is **45.5602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9302, 0.4046, 0.4176**, and **22.3327, 0.5155, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **42.5548, 0.5061, 0.4114**, and if you desaturate by 10%, it is **52.6345, 0.4491, 0.4019**.

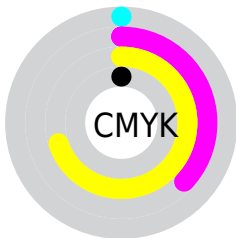
Distribution



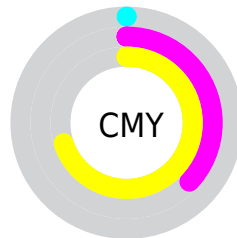
- Red (100%)
- Green (63%)
- Blue (30%)



- Red (100%)
- Yellow (93%)
- Blue (30%)



- Cyan (0%)
- Magenta (37%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2715, 0.4782, 0.4089 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 47.2715, 0.4782, 0.4089 by changing the saturation by 10% instead.


 47.2715, 0.4782,
0.4089


 47.2715, 0.4782,
0.4089


375.8972, 0.3989,
0.3776

 33.2503, 0.4955,
0.4133


 86.1187, 0.4510,
0.4000


 22.3183, 0.5160,
0.4170


 111.7136, 0.4402,
0.3959


 14.0910, 0.5398,
0.4185


 141.9352, 0.4309,
0.3921

 8.1840, 0.5730,
0.4196

 177.1678, 0.4229,
0.3887

 4.2129, 0.5975,
0.4025

 217.7960, 0.4157,
0.3855

 1.7933, 0.6291,
0.3709

264.2040, 0.4095,

 0.4830, 0.7089,

0.3826

0.2911

316.7763, 0.4039,
0.3800

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2715, 0.4782,
0.4089

■ 47.2715, 0.4782,
0.4089

■ 42.5548, 0.5061,
0.4114

■ 52.6345, 0.4491,
0.4019

■ 38.4437, 0.5309,
0.4085

■ 58.6662, 0.4207,
0.3917

■ 34.9554, 0.5511,
0.4006

■ 65.3966, 0.3940,
0.3797

■ 72.8509, 0.3698,
0.3668

81.0530, 0.3483,
0.3538

90.0255, 0.3294,
0.3412

99.7899, 0.3130,
0.3292

99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



47.2715, 0.4811, 0.3459



47.2715, 0.4782, 0.4089



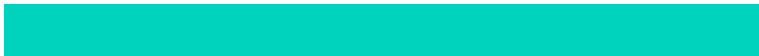
47.2715, 0.4281, 0.4662

Triad

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



47.2715, 0.4782, 0.4089



47.2715, 0.2033, 0.3646



47.2715, 0.2549, 0.2063

Complementary

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



47.2715, 0.4782, 0.4089



37.4970, 0.2048, 0.2169

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.



47.2715, 0.1960, 0.1993



47.2715, 0.4782, 0.4089



47.2715, 0.1691, 0.2753

Square

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



47.2715, 0.4782, 0.4089



47.2715, 0.2692, 0.4560



47.2715, 0.1675, 0.2201



47.2715, 0.3399, 0.2371

Rectangle

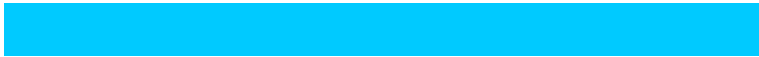
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2715, 0.4782, 0.4089



47.2715, 0.3787, 0.4898



47.2715, 0.1675, 0.2201



47.2715, 0.2319, 0.2012

Sweetspot

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



47.2739, 0.4782, 0.4089



80.3734, 0.3500, 0.3548



29.3852, 0.4186, 0.2402



16.7057, 0.3557, 0.3584



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.



47.2739, 0.4782, 0.4089



40.9254, 0.5160, 0.4110



89.5341, 0.4107, 0.4813



19.4102, 0.3282, 0.3403



18.5633, 0.5484, 0.4028



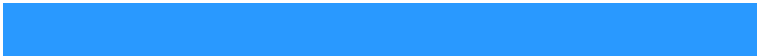
2.0244, 0.5299, 0.4175

Inverse Universe

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



37.4970, 0.2048, 0.2169



30.5554, 0.1901, 0.1912



14.7887, 0.1781, 0.1095



18.9562, 0.2979, 0.3174



12.9661, 0.1794, 0.1658



1.4813, 0.1849, 0.1857

Previews

White Background



This preview shows how the Yxy color 47.2715, 0.4782, 0.4089 looks on a white background.

Color Contrast Check

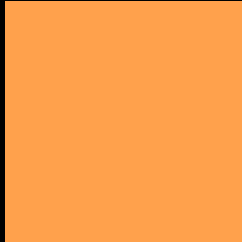
Large Text (above 18pt) WCAG AA × Fail

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 47.2715, 0.4782, 0.4089 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 47.2715, 0.4782, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 47.2715, 0.4782, 0.4089.



This preview shows how white text looks on a background with the Yxy color 47.2715, 0.4782, 0.4089.

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

47.2715, 0.4782, 0.4089

Protanopia

47.6020, 0.4087, 0.4490

Deuteranopia

47.2340, 0.4462, 0.4364



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.2715, 0.4782, 0.4089

Protanomaly

47.1595, 0.4342, 0.4348

Deuteranomaly

47.0341, 0.4588, 0.4260

Tritanomaly

47.0674, 0.4331, 0.3543

Monochromacy



Original Color

47.2715, 0.4782, 0.4089

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.7234, 0.3721, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2715, 0.4782, 0.4089 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 76) }
```

Border

The CSS property to change the border of an element to Yxy 47.2715, 0.4782, 0.4089 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, 76) }
```

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

```
.border{ border-color:rgb(255, 161, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2715, 0.4782, 0.4089 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, 76) }
```

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

```
.background{ background-color: rgb(255,  
161, 76) }
```

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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