

Converting Colors

$Y_{xy}(47.0575, 0.4729, 0.4013)$

Have a look what the booklet for
Yxy(47.0575, 0.4729, 0.4013)
contains.

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Color

Yxy(47.0575, 0.4729, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	FFA055
RGB	255, 160, 85
RGB Percent	100%, 63%, 33%
CMY	0.0000, 0.3725, 0.6667
CMYK	0.00, 0.37, 0.67, 0.00
HSL	26°, 100%, 67%
HSV	26°, 67%, 100%
XYZ	55.4535, 47.0575, 14.7516
YIQ	179.8550, 80.6950, -3.1850

Conversions

Conversions Part 2

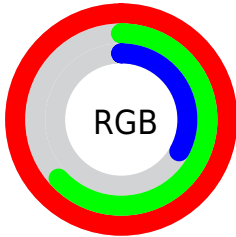
Format	Color
R_{YB}	255, 219, 85
Decimal	16752725
CIE _{Lab}	74.23, 28.89, 52.84
CIE _{LCh}	74, 60.225, 61.333
Yxy	47.0575, 0.4729, 0.4013
Android (android.graphics.Color)	4294942805 (0xFFFFA055)
YUV	179.8550, -46.7635, 65.9022
Hunter-Lab	68.5985, 24.2482, 35.2690

Details

The Yxy color **47.0575, 0.4729, 0.4013** 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 **41.7880, 0.2111, 0.2314**, and the grayscale version is **45.7820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6670, 0.3991, 0.4083**, and **22.1781, 0.5104, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **42.0623, 0.5031, 0.4048**, and if you desaturate by 10%, it is **52.7652, 0.4423, 0.3938**.

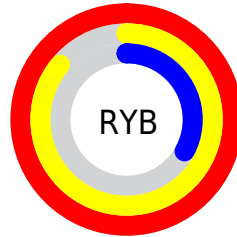
Distribution



Red (100%)

Green (63%)

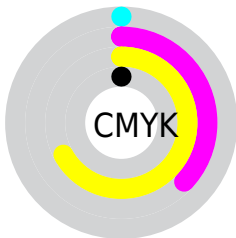
Blue (33%)



Red (100%)

Yellow (86%)

Blue (33%)

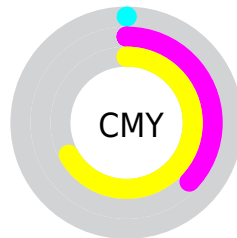


Cyan (0%)

Magenta (37%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0575, 0.4729, 0.4013 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 47.0575, 0.4729, 0.4013 by changing the saturation by 10% instead.


 47.0575, 0.4729,
0.4013


 47.0575, 0.4729,
0.4013


375.0440, 0.3953,
0.3727


 33.0811, 0.4903,
0.4055


 85.7994, 0.4459,
0.3930


 22.1886, 0.5112,
0.4091


 111.3338, 0.4354,
0.3893


 13.9955, 0.5361,
0.4109


 141.4896, 0.4263,
0.3858

 8.1176, 0.5679,
0.4103

 176.6512, 0.4184,
0.3827

 4.1703, 0.6015,
0.3985

 217.2031, 0.4116,
0.3799

 1.7693, 0.6341,
0.3659

263.5296, 0.4055,

 0.4679, 0.7176,

0.3773

0.2824

316.0151, 0.4001,
0.3749

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0575, 0.4729,
0.4013

47.0575, 0.4729,
0.4013

42.0623, 0.5031,
0.4048

52.7652, 0.4423,
0.3938

37.7436, 0.5309,
0.4031

59.2171, 0.4132,
0.3837

34.0606, 0.5541,
0.3959

66.4432, 0.3864,
0.3720

32.9616, 0.5611,
0.3927

74.4712, 0.3626,
0.3599

83.3273, 0.3416,
0.3479

93.0365, 0.3234,
0.3363

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.0575, 0.4702, 0.3408



47.0575, 0.4729, 0.4013



47.0575, 0.4291, 0.4564

Triad

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



47.0575, 0.4729, 0.4013



47.0575, 0.2131, 0.3714



47.0575, 0.2517, 0.2099

Complementary

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



47.0575, 0.4729, 0.4013



41.7880, 0.2111, 0.2314

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.



47.0575, 0.1974, 0.2055



47.0575, 0.4729, 0.4013



47.0575, 0.1770, 0.2850

Square

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



47.0575, 0.4729, 0.4013



47.0575, 0.2786, 0.4543



47.0575, 0.1725, 0.2287



47.0575, 0.3310, 0.2376

Rectangle

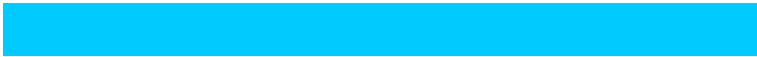
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0575, 0.4729, 0.4013



47.0575, 0.3834, 0.4800



47.0575, 0.1725, 0.2287



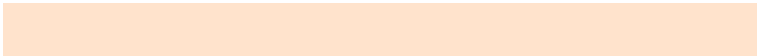
47.0575, 0.2304, 0.2056

Sweetspot

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



47.0576, 0.4729, 0.4013



80.2859, 0.3483, 0.3518



31.1048, 0.4033, 0.2373



16.6504, 0.3541, 0.3552



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.



47.0576, 0.4729, 0.4013



40.5515, 0.5128, 0.4048



86.4161, 0.4109, 0.4726



19.3060, 0.3283, 0.3395



17.5092, 0.5582, 0.3949



1.9182, 0.5386, 0.4106

Inverse Universe

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



41.7880, 0.2111, 0.2314



34.8307, 0.1965, 0.2082



17.5754, 0.1855, 0.1253



19.0615, 0.2979, 0.3182



14.2601, 0.1826, 0.1775



1.6063, 0.1878, 0.1962

Previews

White Background



This preview shows how the Yxy color 47.0575, 0.4729, 0.4013 looks on a white background.

Color Contrast Check

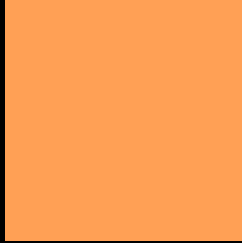
Large Text (above 18pt) WCAG AA × Fail

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 47.0575, 0.4729, 0.4013 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 47.0575, 0.4729, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 47.0575, 0.4729, 0.4013.



This preview shows how white text looks on a background with the Yxy color 47.0575, 0.4729, 0.4013.

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

47.0575, 0.4729, 0.4013

Protanopia

47.1962, 0.4025, 0.4395

Deuteranopia

47.2122, 0.4390, 0.4288



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.0575, 0.4729, 0.4013

Protanomaly

46.7534, 0.4280, 0.4262

Deuteranomaly

47.0050, 0.4514, 0.4187

Tritanomaly

46.7862, 0.4317, 0.3512

Monochromacy



Original Color

47.0575, 0.4729, 0.4013

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.1969, 0.3690, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0575, 0.4729, 0.4013 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 85) }
```

Border

The CSS property to change the border of an element to Yxy 47.0575, 0.4729, 0.4013 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, 85) }
```

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

```
.border{ border-color:rgb(255, 160, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0575, 0.4729, 0.4013 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
160, 85) }
```

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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