

Converting Colors

Yxy(66.1727, 0.5162, 0.3814)

Have a look what the booklet for
Yxy(66.1727, 0.5162, 0.3814)
contains.

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Color

Yxy(49.2706, 0.4642, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	FFA65A
RGB	255, 166, 90
RGB Percent	100%, 65%, 35%
CMY	0.0000, 0.3490, 0.6469
CMYK	0.00, 0.35, 0.65, 0.00
HSL	28°, 100%, 68%
HSV	28°, 65%, 100%
XYZ	56.7247, 49.2706, 16.2036
YIQ	183.9470, 77.4400, -4.7680

Conversions

Conversions Part 2

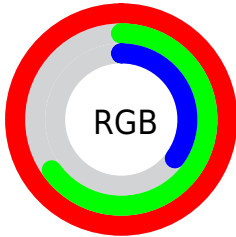
Format	Color
R _Y B	255, 231, 90
Decimal	16754266
CIE Lab	75.62, 26.06, 51.98
CIE LCh	76, 58.144, 63.376
Yxy	49.2706, 0.4642, 0.4032
Android (android.graphics.Color)	4294944346 (0xFFFFA65A)
YUV	183.9470, -46.3159, 62.3135
Hunter-Lab	70.1930, 21.4125, 35.4484

Details

The Yxy color **49.2706, 0.4642, 0.4032** 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 **41.6548, 0.2125, 0.2305**, and the grayscale version is **48.1336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9259, 0.3930, 0.4091**, and **23.6504, 0.5001, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **44.1721, 0.4937, 0.4080**, and if you desaturate by 10%, it is **55.0563, 0.4347, 0.3946**.

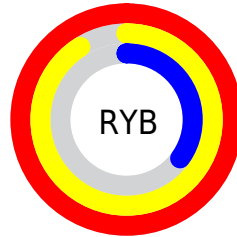
Distribution



Red (100%)

Green (65%)

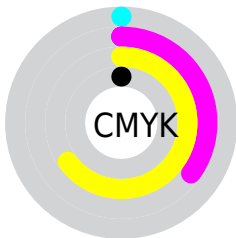
Blue (35%)



Red (100%)

Yellow (91%)

Blue (35%)

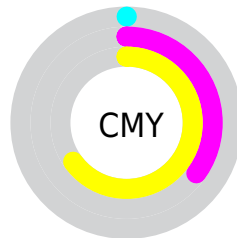


Cyan (0%)

Magenta (35%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2706, 0.4642, 0.4032 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 49.2706, 0.4642, 0.4032 by changing the saturation by 10% instead.


 49.2706, 0.4642,
0.4032


 49.2706, 0.4642,
0.4032


383.8066, 0.3912,
0.3731

 34.8342, 0.4805,
0.4080


 89.0932, 0.4389,
0.3942


 23.5352, 0.5001,
0.4126


 115.2482, 0.4290,
0.3902

 14.9892, 0.5236,
0.4160


 146.0782, 0.4205,
0.3866

 8.8118, 0.5521,
0.4167


 181.9676, 0.4131,
0.3834

 4.6186, 0.5881,
0.4119

223.3007, 0.4066,
0.3804

 2.0253, 0.6163,
0.3837

270.4620, 0.4009,

 0.6221, 0.6745,

0.3777

0.3255

323.8358, 0.3958,
0.3753

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.2706, 0.4642,
0.4032

49.2706, 0.4642,
0.4032

44.1721, 0.4937,
0.4080

55.0563, 0.4347,
0.3946

39.7234, 0.5212,
0.4078

61.5541, 0.4066,
0.3836

35.8888, 0.5446,
0.4020

68.7932, 0.3809,
0.3714

34.0801, 0.5554,
0.3972

76.7993, 0.3579,
0.3587

 85.5967, 0.3377,
0.3462

 95.2084, 0.3201,
0.3343

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.



49.2706, 0.4644, 0.3450



49.2706, 0.4642, 0.4032



49.2706, 0.4206, 0.4542

Triad

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



49.2706, 0.4642, 0.4032



49.2706, 0.2144, 0.3635



49.2706, 0.2591, 0.2158

Complementary

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



49.2706, 0.4642, 0.4032



41.6548, 0.2125, 0.2305

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.



49.2706, 0.2049, 0.2101



49.2706, 0.4642, 0.4032



49.2706, 0.1814, 0.2829

Square

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



49.2706, 0.4642, 0.4032



49.2706, 0.2758, 0.4432



49.2706, 0.1788, 0.2309



49.2706, 0.3360, 0.2440

Rectangle

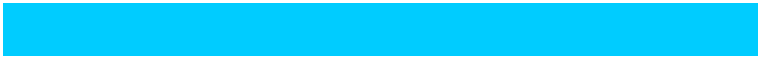
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2706, 0.4642, 0.4032



49.2706, 0.3761, 0.4740



49.2706, 0.1788, 0.2309



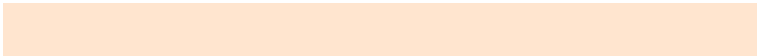
49.2706, 0.2380, 0.2112

Sweetspot

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



49.2722, 0.4642, 0.4032



81.7038, 0.3461, 0.3516



31.9073, 0.4029, 0.2416



16.9531, 0.3519, 0.3551



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.



49.2722, 0.4642, 0.4032



42.6278, 0.5031, 0.4085



88.3692, 0.4071, 0.4716



19.3653, 0.3283, 0.3400



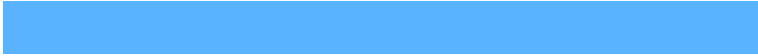
18.0986, 0.5526, 0.3994



1.9778, 0.5336, 0.4145

Inverse Universe

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



41.6548, 0.2125, 0.2305



34.4054, 0.1970, 0.2063



18.1869, 0.1884, 0.1285



19.0014, 0.2979, 0.3178



13.5103, 0.1808, 0.1708



1.5341, 0.1862, 0.1902

Previews

White Background



This preview shows how the Yxy color 49.2706, 0.4642, 0.4032 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 49.2706, 0.4642, 0.4032 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 49.2706, 0.4642, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 49.2706, 0.4642, 0.4032.



This preview shows how white text looks on a background with the Yxy color 49.2706, 0.4642, 0.4032.

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

49.2706, 0.4642, 0.4032

Protanopia

49.5255, 0.4002, 0.4368

Deuteranopia

49.5178, 0.4361, 0.4268



Tritanopia

49.3039, 0.3947, 0.3187

Trichromacy



Original Color

49.2706, 0.4642, 0.4032

Protanomaly

48.8956, 0.4242, 0.4243

Deuteranomaly

49.5019, 0.4465, 0.4183

Tritanomaly

49.0237, 0.4226, 0.3513

Monochromacy



Original Color

49.2706, 0.4642, 0.4032

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3479, 0.3660, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2706, 0.4642, 0.4032 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, 166, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 90)  
}
```

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, 166, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 90) }
```

Border

The CSS property to change the border of an element to Yxy 49.2706, 0.4642, 0.4032 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, 166, 90) }
```

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

```
.border{ border-color:rgb(255, 166, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2706, 0.4642, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 90) }
```

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

```
.background{ background-color: rgb(255,  
166, 90) }
```

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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