

Converting Colors

$Y_{xy}(49.8872, 0.4719, 0.4078)$

Have a look what the booklet for
Yxy(49.8872, 0.4719, 0.4078)
contains.

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Color

Yxy(49.1570, 0.4692, 0.4086)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFA653 |
| RGB | 255, 166, 83 |
| RGB Percent | 100%, 65%, 33% |
| CMY | 0.0000, 0.3491, 0.6744 |
| CMYK | 0.00, 0.35, 0.67, 0.00 |
| HSL | 29°, 100%, 66% |
| HSV | 29°, 67%, 100% |
| XYZ | 56.4475, 49.1570, 14.7014 |
| YIQ | 183.1490, 79.6870, -6.9450 |

Conversions

Conversions Part 2

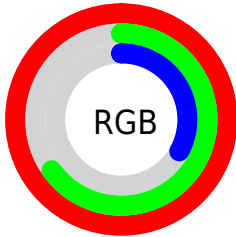
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 243, 83 |
| Decimal | 16754259 |
| CIE Lab | 75.55, 25.67, 55.24 |
| CIE LCh | 76, 60.914, 65.073 |
| Yxy | 49.1570, 0.4692, 0.4086 |
| Android (android.graphics.Color) | 4294944339 (0xFFFFA653) |
| YUV | 183.1490, -49.3735, 63.0133 |
| Hunter-Lab | 70.1121, 21.0151, 36.6463 |

Details

The Yxy color **49.1570, 0.4692, 0.4086** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **38.5792, 0.2078, 0.2203**, and the grayscale version is **47.6803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7222, 0.3976, 0.4157**, and **23.4710, 0.5040, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **44.2745, 0.4972, 0.4126**, and if you desaturate by 10%, it is **54.6691, 0.4405, 0.4005**.

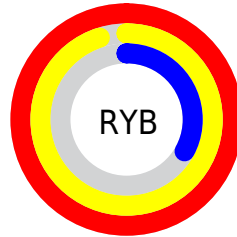
Distribution



Red (100%)

Green (65%)

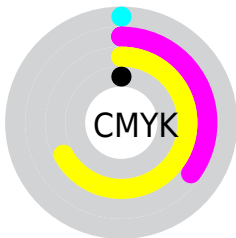
Blue (33%)



Red (100%)

Yellow (95%)

Blue (33%)

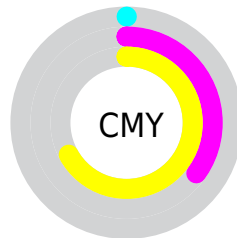


Cyan (0%)

Magenta (35%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1570, 0.4692, 0.4086 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 49.1570, 0.4692, 0.4086 by changing the saturation by 10% instead.


 49.1570, 0.4692,
0.4086


 49.1570, 0.4692,
0.4086

383.3601, 0.3944,
0.3766

 34.7440, 0.4857,
0.4136


 88.9246, 0.4435,
0.3992


 23.4658, 0.5052,
0.4181


 115.0480, 0.4333,
0.3949


 14.9378, 0.5282,
0.4212


 145.8437, 0.4246,
0.3911

 8.7757, 0.5573,
0.4224

 181.6961, 0.4169,
0.3876

 4.5952, 0.5869,
0.4131

 222.9895, 0.4102,
0.3845

 2.0118, 0.6149,
0.3851

270.1084, 0.4043,

 0.6143, 0.6735,

0.3816

0.3265

323.4371, 0.3991,
0.3790

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.1570, 0.4692,
0.4086

49.1570, 0.4692,
0.4086

44.2745, 0.4972,
0.4126

54.6691, 0.4405,
0.4005

40.0015, 0.5227,
0.4114

60.8507, 0.4127,
0.3895

36.2968, 0.5439,
0.4046

67.7239, 0.3869,
0.3769

35.4299, 0.5489,
0.4024

75.3133, 0.3635,
0.3637

83.6417, 0.3428,
0.3506

92.7308, 0.3247,
0.3379

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.



49.1570, 0.4730, 0.3483



49.1570, 0.4692, 0.4086



49.1570, 0.4211, 0.4617

Triad

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



49.1570, 0.4692, 0.4086



49.1570, 0.2072, 0.3597



49.1570, 0.2606, 0.2124

Complementary

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



49.1570, 0.4692, 0.4086



38.5792, 0.2078, 0.2203

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.



49.1570, 0.2029, 0.2050



49.1570, 0.4692, 0.4086



49.1570, 0.1751, 0.2763

Square

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



49.1570, 0.4692, 0.4086



49.1570, 0.2694, 0.4457



49.1570, 0.1743, 0.2244



49.1570, 0.3418, 0.2428

Rectangle

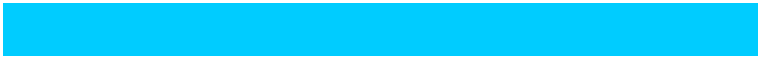
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1570, 0.4692, 0.4086



49.1570, 0.3738, 0.4818



49.1570, 0.1743, 0.2244



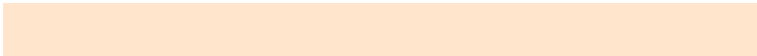
49.1570, 0.2382, 0.2072

Sweetspot

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



49.1532, 0.4692, 0.4086



81.4389, 0.3479, 0.3539



30.5355, 0.4126, 0.2420



16.9256, 0.3536, 0.3576



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.



49.1532, 0.4692, 0.4086



42.6861, 0.5067, 0.4128



89.8018, 0.4082, 0.4776



19.4332, 0.3282, 0.3405



18.8086, 0.5462, 0.4045



2.0488, 0.5280, 0.4190

Inverse Universe

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



38.5792, 0.2078, 0.2203



31.4211, 0.1924, 0.1945



16.1647, 0.1828, 0.1174



18.9331, 0.2979, 0.3172



12.6940, 0.1787, 0.1633



1.4548, 0.1843, 0.1834

Previews

White Background



This preview shows how the Yxy color 49.1570, 0.4692, 0.4086 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 49.1570, 0.4692, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

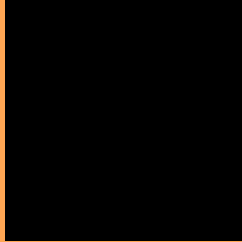
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1570, 0.4692, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 49.1570, 0.4692, 0.4086.



This preview shows how white text looks on a background with the Yxy color 49.1570, 0.4692, 0.4086.

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

49.1570, 0.4692, 0.4086

Protanopia

49.5273, 0.4065, 0.4444

Deuteranopia

49.0124, 0.4415, 0.4317



Tritanopia

48.9586, 0.3951, 0.3177

Trichromacy



Original Color

49.1570, 0.4692, 0.4086

Protanomaly

48.7756, 0.4291, 0.4308

Deuteranomaly

49.0065, 0.4520, 0.4230

Tritanomaly

48.9356, 0.4255, 0.3544

Monochromacy



Original Color

49.1570, 0.4692, 0.4086

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1062, 0.3677, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1570, 0.4692, 0.4086 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 83) }
```

Border

The CSS property to change the border of an element to Yxy 49.1570, 0.4692, 0.4086 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, 83) }
```

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

```
.border{ border-color:rgb(255, 166, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1570, 0.4692, 0.4086 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
166, 83) }
```

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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