

Converting Colors

Yxy(52.9825, 0.4497, 0.4043)

Have a look what the booklet for
Yxy(52.9825, 0.4497, 0.4043)
contains.

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Color

Yxy(52.8400, 0.4499, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	FFAF64
RGB	255, 175, 100
RGB Percent	100%, 69%, 39%
CMY	0.0000, 0.3137, 0.6080
CMYK	0.00, 0.31, 0.61, 0.00
HSL	29°, 100%, 70%
HSV	29°, 61%, 100%
XYZ	58.8725, 52.8400, 19.1444
YIQ	190.3700, 71.7550, -6.3650

Conversions

Conversions Part 2

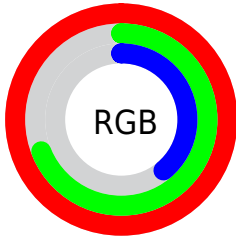
Format	Color
R _Y B	255, 245, 100
Decimal	16756580
CIE Lab	77.78, 21.99, 49.65
CIE LCh	78, 54.297, 66.111
Yxy	52.8400, 0.4499, 0.4038
Android (android.graphics.Color)	4294946660 (0xFFFFAF64)
YUV	190.3700, -44.5524, 56.6805
Hunter-Lab	72.6911, 17.3576, 35.2688

Details

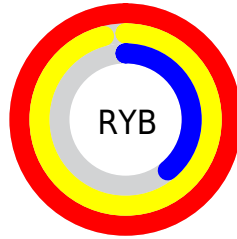
The Yxy color **52.8400, 0.4499, 0.4038** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.5567, 0.2166, 0.2327**, and the grayscale version is **51.9459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7117, 0.3816, 0.4076**, and **25.6187, 0.4820, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **47.5464, 0.4785, 0.4108**, and if you desaturate by 10%, it is **58.7877, 0.4217, 0.3936**.

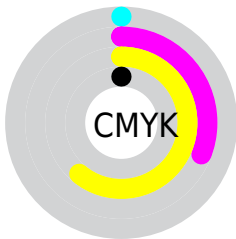
Distribution



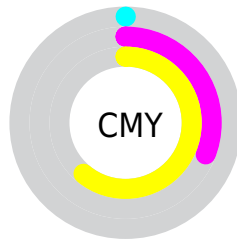
- Red (100%)
- Green (69%)
- Blue (39%)



- Red (100%)
- Yellow (96%)
- Blue (39%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8400, 0.4499, 0.4038 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 52.8400, 0.4499, 0.4038 by changing the saturation by 10% instead.

 52.8400, 0.4499,
0.4038


 52.8400, 0.4499,
0.4038


397.6710, 0.3843,
0.3725


 37.6751, 0.4646,
0.4094


 94.3689, 0.4272,
0.3940


 25.7306, 0.4823,
0.4152


 121.5016, 0.4183,
0.3899

 16.6222, 0.5037,
0.4207


 153.3924, 0.4106,
0.3862

 9.9655, 0.5293,
0.4243


 190.4256, 0.4040,
0.3828

 5.3761, 0.5695,
0.4305

232.9857, 0.3981,
0.3798

 2.4696, 0.5917,
0.4083

281.4570, 0.3930,

 0.8613, 0.6301,

0.3771

0.3699

336.2240, 0.3884,
0.3747

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.8400, 0.4499,
0.4038

■ 52.8400, 0.4499,
0.4038

■ 47.5464, 0.4785,
0.4108

■ 58.7877, 0.4217,
0.3936

■ 42.8770, 0.5058,
0.4132

■ 65.4154, 0.3952,
0.3814

■ 38.7992, 0.5299,
0.4101

■ 72.7481, 0.3710,
0.3683

■ 35.5296, 0.5484,
0.4028

■ 80.8092, 0.3495,
0.3550

89.6205, 0.3305,
0.3421

99.2030, 0.3139,
0.3299

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.



52.8400, 0.4532, 0.3501



52.8400, 0.4499, 0.4038



52.8400, 0.4078, 0.4480

Triad

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



52.8400, 0.4499, 0.4038



52.8400, 0.2186, 0.3536



52.8400, 0.2695, 0.2256

Complementary

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



52.8400, 0.4499, 0.4038



42.5567, 0.2166, 0.2327

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.



52.8400, 0.2167, 0.2185



52.8400, 0.4499, 0.4038



52.8400, 0.1900, 0.2821

Square

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



52.8400, 0.4499, 0.4038



52.8400, 0.2737, 0.4267



52.8400, 0.1898, 0.2361



52.8400, 0.3413, 0.2537

Rectangle

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



52.8400, 0.4499, 0.4038



52.8400, 0.3661, 0.4624



52.8400, 0.1898, 0.2361



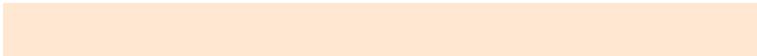
52.8400, 0.2493, 0.2208

Sweetspot

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



52.8403, 0.4499, 0.4038



83.1968, 0.3439, 0.3514



33.6664, 0.4016, 0.2502



17.2760, 0.3497, 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.



52.8403, 0.4499, 0.4038



46.4650, 0.4847, 0.4117



92.0620, 0.4000, 0.4692



19.4381, 0.3282, 0.3405



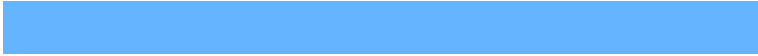
18.8610, 0.5458, 0.4049



2.0540, 0.5276, 0.4193

Inverse Universe

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



42.5567, 0.2166, 0.2327



35.3560, 0.2009, 0.2093



19.5393, 0.1945, 0.1352



18.9282, 0.2979, 0.3172



12.6371, 0.1786, 0.1628



1.4493, 0.1841, 0.1829

Previews

White Background



This preview shows how the Yxy color 52.8400, 0.4499, 0.4038 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 52.8400, 0.4499, 0.4038 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 52.8400, 0.4499, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 52.8400, 0.4499, 0.4038.



This preview shows how white text looks on a background with the Yxy color 52.8400, 0.4499, 0.4038.

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

52.8400, 0.4499, 0.4038

Protanopia

53.1776, 0.3959, 0.4312

Deuteranopia

52.7533, 0.4301, 0.4197



Tritanopia

52.9312, 0.3821, 0.3176

Trichromacy



Original Color

52.8400, 0.4499, 0.4038

Protanomaly

52.6113, 0.4158, 0.4203

Deuteranomaly

52.7765, 0.4376, 0.4133

Tritanomaly

52.6202, 0.4087, 0.3503

Monochromacy



Original Color

52.8400, 0.4499, 0.4038

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.4284, 0.3610, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8400, 0.4499, 0.4038 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, 175, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 100)  
}
```

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, 175, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 100) }
```

Border

The CSS property to change the border of an element to Yxy 52.8400, 0.4499, 0.4038 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, 175, 100) }
```

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

```
.border{ border-color:rgb(255, 175, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8400, 0.4499, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 100) }
```

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

```
.background{ background-color: rgb(255,  
175, 100) }
```

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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