

Converting Colors

$Y_{xy}(52.2601, 0.4495, 0.4005)$

Have a look what the booklet for
Yxy(52.2601, 0.4495, 0.4005)
contains.

Yxy(52.1064, 0.4498, 0.4001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1064, 0.4498, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD66
RGB	255, 173, 102
RGB Percent	100%, 68%, 40%
CMY	0.0001, 0.3215, 0.5999
CMYK	0.00, 0.32, 0.60, 0.00
HSL	28°, 100%, 70%
HSV	28°, 60%, 100%
XYZ	58.5790, 52.1064, 19.5480
YIQ	189.4240, 71.6630, -4.6970

Conversions

Conversions Part 2

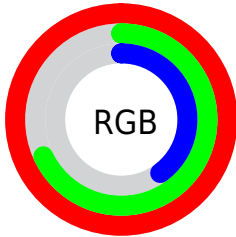
Format	Color
RYB	255, 234, 102
Decimal	16756070
CIELab	77.34, 23.16, 48.11
CIElCh	77, 53.396, 64.297
Yxy	52.1064, 0.4498, 0.4001
Android (android.graphics.Color)	4294946150 (0xFFFFAD66)
YUV	189.4240, -43.1000, 57.5102
Hunter-Lab	72.1848, 18.5321, 34.4733

Details

The Yxy color **52.1064, 0.4498, 0.4001** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.3281, 0.2187, 0.2383**, and the grayscale version is **51.3685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6652, 0.3811, 0.4038**, and **25.1502, 0.4828, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **46.7022, 0.4794, 0.4069**, and if you desaturate by 10%, it is **58.2074, 0.4209, 0.3901**.

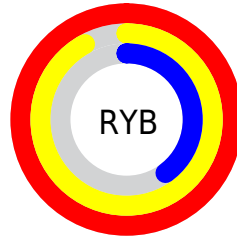
Distribution



Red (100%)

Green (68%)

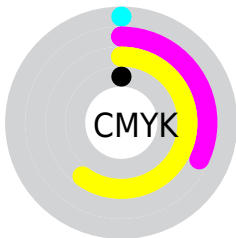
Blue (40%)



Red (100%)

Yellow (92%)

Blue (40%)

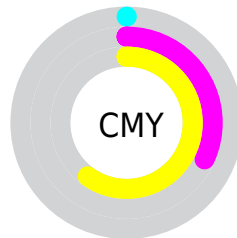


Cyan (0%)

Magenta (32%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1064, 0.4498, 0.4001 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 52.1064, 0.4498, 0.4001 by changing the saturation by 10% instead.


 52.1064, 0.4498,
0.4001


 52.1064, 0.4498,
0.4001


394.8472, 0.3839,
0.3704

 37.0899, 0.4647,
0.4054


 93.2881, 0.4269,
0.3909


 25.2771, 0.4828,
0.4109


 120.2222, 0.4179,
0.3869

 16.2836, 0.5047,
0.4160


 151.8975, 0.4102,
0.3834

 9.7251, 0.5313,
0.4192


 188.6985, 0.4036,
0.3802

 5.2171, 0.5744,
0.4256

231.0096, 0.3977,
0.3774

 2.3752, 0.5981,
0.4019

279.2151, 0.3926,

 0.8131, 0.6395,

0.3748

333.6995, 0.3880,
0.3725

0.3605

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.1064, 0.4498,
0.4001

52.1064, 0.4498,
0.4001

46.7022, 0.4794,
0.4069

58.2074, 0.4209,
0.3901

41.9562, 0.5079,
0.4093

65.0257, 0.3940,
0.3783

37.8366, 0.5333,
0.4062

72.5902, 0.3696,
0.3657

34.2969, 0.5543,
0.3981

80.9256, 0.3480,
0.3530

■ 34.2921, 0.5543,
0.3981

■ 90.0553, 0.3291,
0.3406

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



52.1064, 0.4503, 0.3468



52.1064, 0.4498, 0.4001



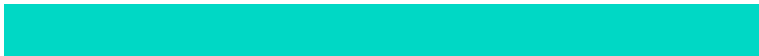
52.1064, 0.4102, 0.4447

Triad

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



52.1064, 0.4498, 0.4001



52.1064, 0.2223, 0.3580



52.1064, 0.2663, 0.2256

Complementary

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



52.1064, 0.4498, 0.4001



44.3281, 0.2187, 0.2383

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.



52.1064, 0.2154, 0.2200



52.1064, 0.4498, 0.4001



52.1064, 0.1921, 0.2864

Square

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



52.1064, 0.4498, 0.4001



52.1064, 0.2782, 0.4288



52.1064, 0.1902, 0.2391



52.1064, 0.3365, 0.2523

Rectangle

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



52.1064, 0.4498, 0.4001



52.1064, 0.3696, 0.4602



52.1064, 0.1902, 0.2391



52.1064, 0.2466, 0.2212

Sweetspot

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



52.1090, 0.4498, 0.4001



82.6854, 0.3441, 0.3505



34.3178, 0.3934, 0.2461



17.1517, 0.3499, 0.3541



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.



52.1090, 0.4498, 0.4001



45.7000, 0.4853, 0.4078



88.9450, 0.4018, 0.4641



19.3765, 0.3283, 0.3401



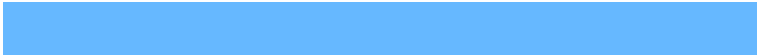
18.2126, 0.5516, 0.4002



1.9893, 0.5327, 0.4152

Inverse Universe

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



44.3281, 0.2187, 0.2383



37.2480, 0.2033, 0.2163



21.1283, 0.1973, 0.1434



18.9902, 0.2979, 0.3177



13.3732, 0.1804, 0.1696



1.5209, 0.1859, 0.1891

Previews

White Background



This preview shows how the Yxy color 52.1064, 0.4498, 0.4001 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 52.1064, 0.4498, 0.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

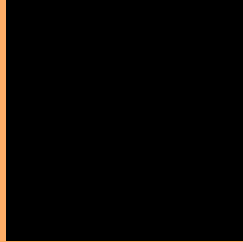
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1064, 0.4498, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 52.1064, 0.4498, 0.4001.



This preview shows how white text looks on a background with the Yxy color 52.1064, 0.4498, 0.4001.

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

52.1064, 0.4498, 0.4001

Protanopia

52.4836, 0.3933, 0.4288

Deuteranopia

52.0382, 0.4276, 0.4176



Tritanopia

52.1118, 0.3846, 0.3176

Trichromacy



Original Color

52.1064, 0.4498, 0.4001

Protanomaly

51.9073, 0.4133, 0.4180

Deuteranomaly

52.0570, 0.4351, 0.4112

Tritanomaly

51.8379, 0.4105, 0.3493

Monochromacy



Original Color

52.1064, 0.4498, 0.4001

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4474, 0.3607, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1064, 0.4498, 0.4001 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, 173, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 102)  
}
```

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, 173, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 102) }
```

Border

The CSS property to change the border of an element to Yxy 52.1064, 0.4498, 0.4001 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, 173, 102) }
```

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

```
.border{ border-color:rgb(255, 173, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1064, 0.4498, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 102) }
```

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

```
.background{ background-color: rgb(255,  
173, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor