

Converting Colors

$Y_{xy}(47.9775, 0.4582, 0.3890)$

Have a look what the booklet for
Yxy(47.9775, 0.4582, 0.3890)
contains.

Yxy(48.0600, 0.4580, 0.3892)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0600, 0.4580, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	FFA266
RGB	255, 162, 102
RGB Percent	100%, 64%, 40%
CMY	0.0000, 0.3647, 0.6000
CMYK	0.00, 0.36, 0.60, 0.00
HSL	24°, 100%, 70%
HSV	24°, 60%, 100%
XYZ	56.5557, 48.0600, 18.8684
YIQ	182.9670, 74.6880, 1.0560

Conversions

Conversions Part 2

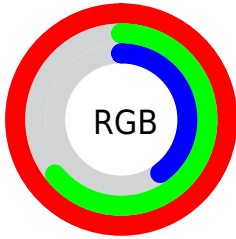
Format	Color
R _Y B	255, 201, 102
Decimal	16753254
CIE Lab	74.86, 28.90, 45.16
CIE LCh	75, 53.612, 57.382
Yxy	48.0600, 0.4580, 0.3892
Android (android.graphics.Color)	4294943334 (0xFFFFA266)
YUV	182.9670, -39.9167, 63.1729
Hunter-Lab	69.3253, 24.3013, 32.3907

Details

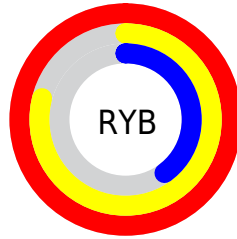
The Yxy color **48.0600, 0.4580, 0.3892** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.0681, 0.2220, 0.2530**, and the grayscale version is **47.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2188, 0.3864, 0.3936**, and **22.8782, 0.4940, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **42.5038, 0.4910, 0.3944**, and if you desaturate by 10%, it is **54.4496, 0.4263, 0.3810**.

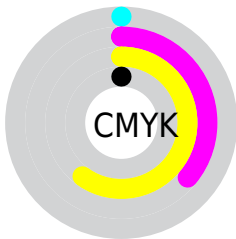
Distribution



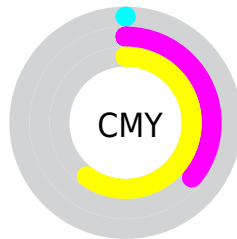
- Red (100%)
- Green (64%)
- Blue (40%)



- Red (100%)
- Yellow (79%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0600, 0.4580, 0.3892 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 48.0600, 0.4580, 0.3892 by changing the saturation by 10% instead.


 48.0600, 0.4580,
0.3892


 48.0600, 0.4580,
0.3892


379.0299, 0.3868,
0.3648

 33.8744, 0.4745,
0.3932


 87.2937, 0.4329,
0.3819


 22.7971, 0.4948,
0.3969


 113.1107, 0.4232,
0.3787

 14.4438, 0.5198,
0.3997


 143.5735, 0.4149,
0.3757

 8.4300, 0.5507,
0.3996

 179.0666, 0.4077,
0.3731

 4.3713, 0.5999,
0.4001

219.9744, 0.4015,
0.3707

 1.8833, 0.6316,
0.3684

266.6813, 0.3960,

 0.5383, 0.7032,

0.3686

0.2968

319.5717, 0.3911,
0.3666

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0600, 0.4580,
0.3892

48.0600, 0.4580,
0.3892

42.5038, 0.4910,
0.3944

54.4496, 0.4263,
0.3810

37.7343, 0.5232,
0.3952

61.7012, 0.3972,
0.3710

33.7107, 0.5519,
0.3908

69.8508, 0.3713,
0.3602

30.3766, 0.5752,
0.3815

78.9301, 0.3487,
0.3494

■ 30.3747, 0.5752,
0.3815

■ 88.9690, 0.3293,
0.3389

99.9957, 0.3127,
0.3290

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



48.0600, 0.4481, 0.3342



48.0600, 0.4580, 0.3892



48.0600, 0.4250, 0.4388

Triad

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



48.0600, 0.4580, 0.3892



48.0600, 0.2307, 0.3774



48.0600, 0.2506, 0.2195

Complementary

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



48.0600, 0.4580, 0.3892



49.0681, 0.2220, 0.2530

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.



48.0600, 0.2044, 0.2191



48.0600, 0.4580, 0.3892



48.0600, 0.1933, 0.3001

Square

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



48.0600, 0.4580, 0.3892



48.0600, 0.2927, 0.4447



48.0600, 0.1850, 0.2449



48.0600, 0.3194, 0.2422

Rectangle

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



48.0600, 0.4580, 0.3892



48.0600, 0.3862, 0.4606



48.0600, 0.1850, 0.2449



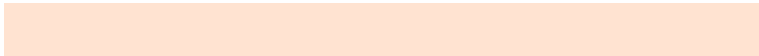
48.0600, 0.2323, 0.2167

Sweetspot

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



48.0624, 0.4580, 0.3892



80.8632, 0.3446, 0.3472



34.7638, 0.3810, 0.2366



16.7097, 0.3507, 0.3503



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.



48.0624, 0.4580, 0.3892



41.4895, 0.4976, 0.3950



82.8667, 0.4075, 0.4566



19.1557, 0.3284, 0.3384



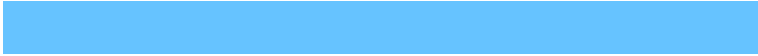
16.1429, 0.5722, 0.3838



1.7771, 0.5512, 0.4005

Inverse Universe

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



49.0681, 0.2220, 0.2530



42.4360, 0.2079, 0.2346



23.4434, 0.1999, 0.1550



19.2152, 0.2979, 0.3194



16.3178, 0.1874, 0.1948



1.8017, 0.1921, 0.2117

Previews

White Background



This preview shows how the Yxy color 48.0600, 0.4580, 0.3892 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 48.0600, 0.4580, 0.3892 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 48.0600, 0.4580, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 48.0600, 0.4580, 0.3892.



This preview shows how white text looks on a background with the Yxy color 48.0600, 0.4580, 0.3892.

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

48.0600, 0.4580, 0.3892

Protanopia

48.3803, 0.3883, 0.4220

Deuteranopia

48.1203, 0.4245, 0.4157



Tritanopia

48.1640, 0.3988, 0.3187

Trichromacy



Original Color

48.0600, 0.4580, 0.3892

Protanomaly

47.8780, 0.4130, 0.4103

Deuteranomaly

48.0504, 0.4373, 0.4057

Tritanomaly

48.0394, 0.4221, 0.3461

Monochromacy



Original Color

48.0600, 0.4580, 0.3892

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5483, 0.3621, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0600, 0.4580, 0.3892 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, 162, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 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, 162, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 102) }
```

Border

The CSS property to change the border of an element to Yxy 48.0600, 0.4580, 0.3892 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, 162, 102) }
```

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

```
.border{ border-color:rgb(255, 162, 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, 162, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0600, 0.4580, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 102) }
```

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

```
.background{ background-color: rgb(255,  
162, 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