

Converting Colors

$Y_{xy}(44.4937, 0.4836, 0.3986)$

Have a look what the booklet for
Yxy(44.4937, 0.4836, 0.3986)
contains.

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Color

Yxy(44.6070, 0.4833, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	FF994F
RGB	255, 153, 79
RGB Percent	100%, 60%, 31%
CMY	0.0002, 0.3999, 0.6902
CMYK	0.00, 0.40, 0.69, 0.00
HSL	25°, 100%, 65%
HSV	25°, 69%, 100%
XYZ	54.0315, 44.6070, 13.1585
YIQ	175.0620, 84.5460, -1.3900

Conversions

Conversions Part 2

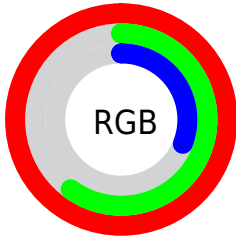
Format	Color
R_{YB}	255, 207, 79
Decimal	16750927
CIE _{Lab}	72.63, 32.16, 53.93
CIE _{LCh}	73, 62.794, 59.193
Yxy	44.6070, 0.4833, 0.3990
Android (android.graphics.Color)	4294941007 (0xFFFF994F)
YUV	175.0620, -47.3586, 70.1056
Hunter-Lab	66.7885, 27.5256, 35.0708

Details

The Yxy color **44.6070, 0.4833, 0.3990** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **41.8973, 0.2095, 0.2323**, and the grayscale version is **43.1230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0104, 0.4067, 0.4074**, and **20.7239, 0.5244, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **39.7662, 0.5142, 0.4009**, and if you desaturate by 10%, it is **50.1932, 0.4517, 0.3928**.

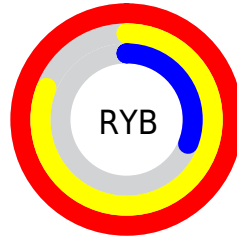
Distribution



Red (100%)

Green (60%)

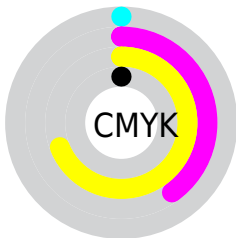
Blue (31%)



Red (100%)

Yellow (81%)

Blue (31%)

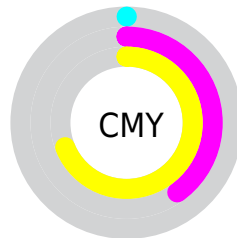


Cyan (0%)

Magenta (40%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6070, 0.4833, 0.3990 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 44.6070, 0.4833, 0.3990 by changing the saturation by 10% instead.


 44.6070, 0.4833,
0.3990

 44.6070, 0.4833,
0.3990


365.1796, 0.4001,
0.3723

 31.1480, 0.5020,
0.4024


 82.1304, 0.4544,
0.3917

 20.7116, 0.5243,
0.4047


 106.9635, 0.4431,
0.3882


 12.9133, 0.5508,
0.4045

 136.3568, 0.4333,
0.3850

 7.3689, 0.5880,
0.4031

 170.6947, 0.4249,
0.3820

 3.6939, 0.6175,
0.3825

 210.3615, 0.4175,
0.3792

 1.5038, 0.6556,
0.3444

255.7416, 0.4110,

 0.2914, 0.7878,

0.3767

0.2122

307.2195, 0.4053,
0.3744

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6070, 0.4833,
0.3990

■ 44.6070, 0.4833,
0.3990

■ 39.7662, 0.5142,
0.4009

■ 50.1932, 0.4517,
0.3928

■ 35.6247, 0.5421,
0.3975

■ 56.5530, 0.4213,
0.3836

■ 32.1363, 0.5649,
0.3889

■ 63.7212, 0.3933,
0.3728

■ 31.8241, 0.5670,
0.3880

■ 71.7279, 0.3683,
0.3612

80.6018, 0.3464,
0.3497

90.3697, 0.3275,
0.3385

99.9923, 0.3127,
0.3290

Harmonies

Analogous

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



44.6070, 0.4773, 0.3358



44.6070, 0.4833, 0.3990



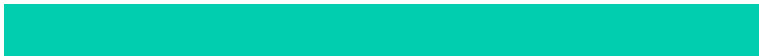
44.6070, 0.4391, 0.4588

Triad

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



44.6070, 0.4833, 0.3990



44.6070, 0.2113, 0.3810



44.6070, 0.2430, 0.2029

Complementary

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



44.6070, 0.4833, 0.3990



41.8973, 0.2095, 0.2323

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.



44.6070, 0.1887, 0.1999



44.6070, 0.4833, 0.3990



44.6070, 0.1716, 0.2873

Square

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



44.6070, 0.4833, 0.3990



44.6070, 0.2816, 0.4677



44.6070, 0.1649, 0.2259



44.6070, 0.3252, 0.2302

Rectangle

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



44.6070, 0.4833, 0.3990



44.6070, 0.3917, 0.4868



44.6070, 0.1649, 0.2259



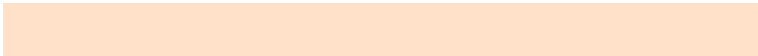
44.6070, 0.2215, 0.1990

Sweetspot

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



44.6093, 0.4833, 0.3990



78.7990, 0.3505, 0.3519



30.2065, 0.4040, 0.2328



16.3331, 0.3565, 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.



44.6093, 0.4833, 0.3990



38.0478, 0.5258, 0.4002



84.3113, 0.4151, 0.4737



19.2430, 0.3284, 0.3390



16.9145, 0.5642, 0.3903



1.8573, 0.5439, 0.4063

Inverse Universe

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



41.8973, 0.2095, 0.2323



34.9960, 0.1954, 0.2092



16.8248, 0.1822, 0.1214



19.1257, 0.2979, 0.3188



15.0945, 0.1846, 0.1847



1.6860, 0.1896, 0.2027

Previews

White Background



This preview shows how the Yxy color 44.6070, 0.4833, 0.3990 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 44.6070, 0.4833, 0.3990 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 44.6070, 0.4833, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 44.6070, 0.4833, 0.3990.



This preview shows how white text looks on a background with the Yxy color 44.6070, 0.4833, 0.3990.

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

44.6070, 0.4833, 0.3990

Protanopia

44.9341, 0.4049, 0.4423

Deuteranopia

44.7870, 0.4424, 0.4330



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.6070, 0.4833, 0.3990

Protanomaly

44.4496, 0.4336, 0.4265

Deuteranomaly

44.5651, 0.4578, 0.4206

Tritanomaly

44.3399, 0.4417, 0.3500

Monochromacy



Original Color

44.6070, 0.4833, 0.3990

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.3683, 0.3729, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6070, 0.4833, 0.3990 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, 153, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 79)  
}
```

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, 153, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 79) }
```

Border

The CSS property to change the border of an element to Yxy 44.6070, 0.4833, 0.3990 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, 153, 79) }
```

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

```
.border{ border-color:rgb(255, 153, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6070, 0.4833, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 79) }
```

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

```
.background{ background-color: rgb(255,  
153, 79) }
```

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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