

Converting Colors

$Y_{xy}(44.6676, 0.4818, 0.3976)$

Have a look what the booklet for
Yxy(44.6676, 0.4818, 0.3976)
contains.

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Color

Yxy(44.6365, 0.4819, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	FF9951
RGB	255, 153, 81
RGB Percent	100%, 60%, 32%
CMY	0.0000, 0.4000, 0.6825
CMYK	0.00, 0.40, 0.68, 0.00
HSL	25°, 100%, 66%
HSV	25°, 68%, 100%
XYZ	54.1140, 44.6365, 13.5425
YIQ	175.2900, 83.9040, -0.7680

Conversions

Conversions Part 2

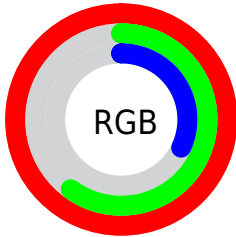
Format	Color
R_{YB}	255, 204, 81
Decimal	16750929
CIE _{Lab}	72.65, 32.29, 53.01
CIE _{LCh}	73, 62.072, 58.658
Yxy	44.6365, 0.4819, 0.3975
Android (android.graphics.Color)	4294941009 (0xFFFF9951)
YUV	175.2900, -46.4850, 69.9057
Hunter-Lab	66.8106, 27.6598, 34.7493

Details

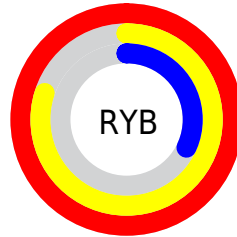
The Yxy color **44.6365, 0.4819, 0.3975** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.8164, 0.2108, 0.2352**, and the grayscale version is **43.2413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0652, 0.4053, 0.4055**, and **20.7386, 0.5226, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **39.7358, 0.5133, 0.3996**, and if you desaturate by 10%, it is **50.2981, 0.4500, 0.3912**.

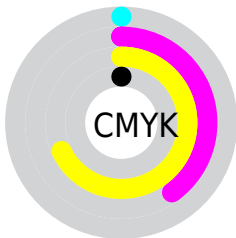
Distribution



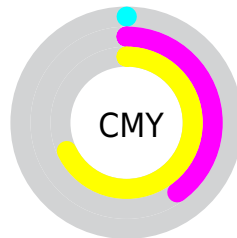
- Red (100%)
- Green (60%)
- Blue (32%)



- Red (100%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (40%)
- Yellow (68%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6365, 0.4819, 0.3975 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 44.6365, 0.4819, 0.3975 by changing the saturation by 10% instead.

 44.6365, 0.4819,
0.3975


 44.6365, 0.4819,
0.3975


365.2994, 0.3992,
0.3713

 31.1712, 0.5005,
0.4008

 82.1747, 0.4531,
0.3903


 20.7293, 0.5229,
0.4032


 107.0163, 0.4418,
0.3869

 12.9262, 0.5496,
0.4032


 136.4189, 0.4322,
0.3837

 7.3778, 0.5862,
0.4013

 170.7668, 0.4238,
0.3808

 3.6995, 0.6179,
0.3821

 210.4444, 0.4165,
0.3781

 1.5069, 0.6561,
0.3439

255.8361, 0.4100,

 0.2936, 0.7875,

0.3756

0.2125

307.3263, 0.4043,
0.3734

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6365, 0.4819,
0.3975

■ 44.6365, 0.4819,
0.3975

■ 39.7358, 0.5133,
0.3996

■ 50.2981, 0.4500,
0.3912

■ 35.5493, 0.5418,
0.3965


■ 56.7493, 0.4195,
0.3820


■ 32.0320, 0.5652,
0.3881

■ 64.0254, 0.3915,
0.3713

■ 31.4761, 0.5690,
0.3864

■ 72.1574, 0.3667,
0.3599

 81.1741, 0.3449,
0.3485

 91.1032, 0.3262,
0.3375

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



44.6365, 0.4747, 0.3349



44.6365, 0.4819, 0.3975



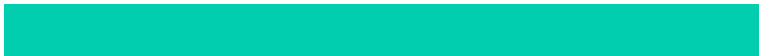
44.6365, 0.4391, 0.4567

Triad

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



44.6365, 0.4819, 0.3975



44.6365, 0.2135, 0.3822



44.6365, 0.2426, 0.2038

Complementary

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



44.6365, 0.4819, 0.3975



42.8164, 0.2108, 0.2352

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.



44.6365, 0.1892, 0.2014



44.6365, 0.4819, 0.3975



44.6365, 0.1734, 0.2893

Square

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



44.6365, 0.4819, 0.3975



44.6365, 0.2835, 0.4670



44.6365, 0.1662, 0.2278



44.6365, 0.3235, 0.2305

Rectangle

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



44.6365, 0.4819, 0.3975



44.6365, 0.3925, 0.4846



44.6365, 0.1662, 0.2278



44.6365, 0.2214, 0.2001

Sweetspot

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



44.6388, 0.4819, 0.3975



79.5308, 0.3485, 0.3505



30.6588, 0.3987, 0.2307



16.4704, 0.3545, 0.3536



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.



44.6388, 0.4819, 0.3975



38.0840, 0.5245, 0.3991



82.7641, 0.4162, 0.4707



19.2223, 0.3284, 0.3389



16.7254, 0.5661, 0.3887



1.8378, 0.5456, 0.4050

Inverse Universe

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



42.8164, 0.2108, 0.2352



35.9665, 0.1968, 0.2128



17.7736, 0.1842, 0.1267



19.1469, 0.2979, 0.3189



15.3784, 0.1853, 0.1871



1.7130, 0.1902, 0.2048

Previews

White Background



This preview shows how the Yxy color 44.6365, 0.4819, 0.3975 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 44.6365, 0.4819, 0.3975 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 44.6365, 0.4819, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 44.6365, 0.4819, 0.3975.



This preview shows how white text looks on a background with the Yxy color 44.6365, 0.4819, 0.3975.

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

44.6365, 0.4819, 0.3975

Protanopia

44.9672, 0.4035, 0.4403

Deuteranopia

44.8149, 0.4411, 0.4313



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.6365, 0.4819, 0.3975

Protanomaly

44.4814, 0.4321, 0.4246

Deuteranomaly

44.5934, 0.4565, 0.4190

Tritanomaly

44.3399, 0.4417, 0.3500

Monochromacy



Original Color

44.6365, 0.4819, 0.3975

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.3979, 0.3720, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6365, 0.4819, 0.3975 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 81) }
```

Border

The CSS property to change the border of an element to Yxy 44.6365, 0.4819, 0.3975 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, 81) }
```

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

```
.border{ border-color:rgb(255, 153, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6365, 0.4819, 0.3975 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, 81) }
```

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

```
.background{ background-color: rgb(255,  
153, 81) }
```

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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