

Converting Colors

$Y_{xy}(45.7171, 0.4839, 0.3928)$

Have a look what the booklet for
Yxy(45.7171, 0.4839, 0.3928)
contains.

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Color

Yxy(44.6983, 0.4789, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	FF9955
RGB	255, 153, 85
RGB Percent	100%, 60%, 33%
CMY	0.0000, 0.4000, 0.6667
CMYK	0.00, 0.40, 0.67, 0.00
HSL	24°, 100%, 67%
HSV	24°, 67%, 100%
XYZ	54.2749, 44.6983, 14.3592
YIQ	175.7460, 82.6200, 0.4760

Conversions

Conversions Part 2

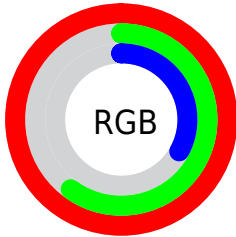
Format	Color
R _Y B	255, 198, 85
Decimal	16750933
CIE Lab	72.69, 32.52, 51.12
CIE LCh	73, 60.585, 57.536
Yxy	44.6983, 0.4789, 0.3944
Android (android.graphics.Color)	4294941013 (0xFFFF9955)
YUV	175.7460, -44.7378, 69.5058
Hunter-Lab	66.8568, 27.9084, 34.0657

Details

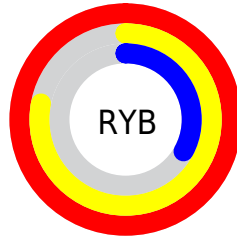
The Yxy color **44.6983, 0.4789, 0.3944** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.6886, 0.2134, 0.2410**, and the grayscale version is **43.4802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1779, 0.4025, 0.4017**, and **20.7662, 0.5193, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **39.6716, 0.5112, 0.3970**, and if you desaturate by 10%, it is **50.5120, 0.4464, 0.3879**.

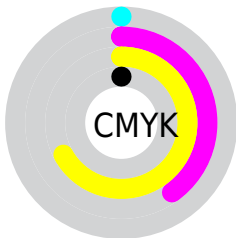
Distribution



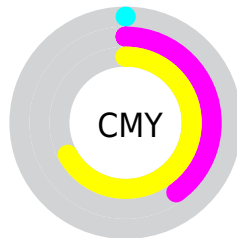
- Red (100%)
- Green (60%)
- Blue (33%)



- Red (100%)
- Yellow (78%)
- Blue (33%)



- Cyan (0%)
- Magenta (40%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6983, 0.4789, 0.3944 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 44.6983, 0.4789, 0.3944 by changing the saturation by 10% instead.

 44.6983, 0.4789,
0.3944


 44.6983, 0.4789,
0.3944


365.5503, 0.3974,
0.3693

 31.2199, 0.4975,
0.3977


 82.2675, 0.4503,
0.3874


 20.7663, 0.5199,
0.4001


 107.1270, 0.4393,
0.3841


 12.9533, 0.5469,
0.4003


 136.5491, 0.4297,
0.3811

 7.3964, 0.5825,
0.3978

 170.9180, 0.4215,
0.3783

 3.7112, 0.6186,
0.3814

 210.6181, 0.4143,
0.3757

 1.5134, 0.6569,
0.3431

256.0340, 0.4080,

 0.2981, 0.7868,

0.3734

0.2132

307.5499, 0.4024,
0.3713

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

44.6983, 0.4789,
0.3944

44.6983, 0.4789,
0.3944

39.6716, 0.5112,
0.3970

50.5120, 0.4464,
0.3879

35.3929, 0.5410,
0.3945

57.1513, 0.4158,
0.3787

31.8149, 0.5657,
0.3866

64.6501, 0.3879,
0.3682

30.7638, 0.5730,
0.3833

73.0401, 0.3633,
0.3571

82.3518, 0.3419,
0.3461

92.6136, 0.3235,
0.3356

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.



44.6983, 0.4695, 0.3329



44.6983, 0.4789, 0.3944



44.6983, 0.4389, 0.4525

Triad

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



44.6983, 0.4789, 0.3944



44.6983, 0.2179, 0.3845



44.6983, 0.2417, 0.2057

Complementary

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



44.6983, 0.4789, 0.3944



44.6886, 0.2134, 0.2410

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.



44.6983, 0.1903, 0.2044



44.6983, 0.4789, 0.3944



44.6983, 0.1771, 0.2935

Square

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



44.6983, 0.4789, 0.3944



44.6983, 0.2875, 0.4653



44.6983, 0.1687, 0.2318



44.6983, 0.3201, 0.2311

Rectangle

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



44.6983, 0.4789, 0.3944



44.6983, 0.3940, 0.4801



44.6983, 0.1687, 0.2318



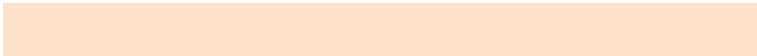
44.6983, 0.2213, 0.2024

Sweetspot

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



44.6978, 0.4789, 0.3944



79.1468, 0.3487, 0.3498



31.3434, 0.3958, 0.2321



16.3790, 0.3547, 0.3528



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.



44.6978, 0.4789, 0.3944



38.1659, 0.5216, 0.3968



83.0643, 0.4144, 0.4686



19.1795, 0.3284, 0.3386



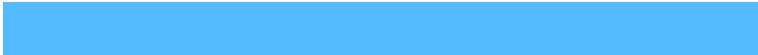
16.3474, 0.5700, 0.3856



1.7985, 0.5492, 0.4021

Inverse Universe

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



44.6886, 0.2134, 0.2410



37.9629, 0.1996, 0.2201



18.6522, 0.1869, 0.1313



19.1907, 0.2979, 0.3193



15.9762, 0.1867, 0.1920



1.7695, 0.1915, 0.2092

Previews

White Background



This preview shows how the Yxy color 44.6983, 0.4789, 0.3944 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 44.6983, 0.4789, 0.3944 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 44.6983, 0.4789, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 44.6983, 0.4789, 0.3944.



This preview shows how white text looks on a background with the Yxy color 44.6983, 0.4789, 0.3944.

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

44.6983, 0.4789, 0.3944

Protanopia

44.9008, 0.3997, 0.4364

Deuteranopia

44.7157, 0.4375, 0.4283



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.6983, 0.4789, 0.3944

Protanomaly

44.3931, 0.4283, 0.4212

Deuteranomaly

44.4838, 0.4528, 0.4161

Tritanomaly

44.3936, 0.4397, 0.3480

Monochromacy



Original Color

44.6983, 0.4789, 0.3944

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9676, 0.3707, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6983, 0.4789, 0.3944 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 85) }
```

Border

The CSS property to change the border of an element to Yxy 44.6983, 0.4789, 0.3944 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, 85) }
```

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

```
.border{ border-color:rgb(255, 153, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6983, 0.4789, 0.3944 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
153, 85) }
```

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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