

Converting Colors

$Y_{xy}(50.0174, 0.5091, 0.3518)$

Have a look what the booklet for
Yxy(50.0174, 0.5091, 0.3518)
contains.

Yxy(39.9299, 0.4728, 0.3582)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9299, 0.4728, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	FF886B
RGB	255, 136, 107
RGB Percent	100%, 53%, 42%
CMY	0.0000, 0.4667, 0.5804
CMYK	0.00, 0.47, 0.58, 0.00
HSL	12°, 100%, 71%
HSV	12°, 58%, 100%
XYZ	52.7048, 39.9299, 18.8391
YIQ	168.2750, 80.2330, 16.2090

Conversions

Conversions Part 2

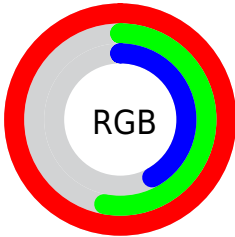
Format	Color
R_{YB}	255, 143, 107
Decimal	16746603
CIE _{Lab}	69.42, 42.59, 35.83
CIE _{LCh}	69, 55.657, 40.073
Yxy	39.9299, 0.4728, 0.3582
Android (android.graphics.Color)	4294936683 (0xFFFF886B)
YUV	168.2750, -30.2086, 76.0578
Hunter-Lab	63.1901, 38.2983, 26.5568

Details

The Yxy color **39.9299, 0.4728, 0.3582** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.7436, 0.2328, 0.2937**, and the grayscale version is **39.4184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0248, 0.3930, 0.3627**, and **17.8397, 0.5182, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **34.2343, 0.5146, 0.3601**, and if you desaturate by 10%, it is **46.8835, 0.4339, 0.3543**.

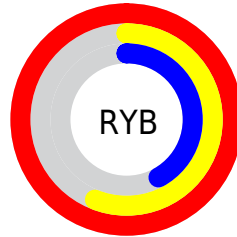
Distribution



Red (100%)

Green (53%)

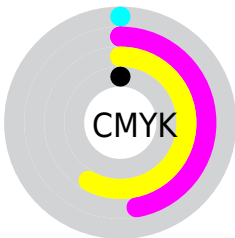
Blue (42%)



Red (100%)

Yellow (56%)

Blue (42%)

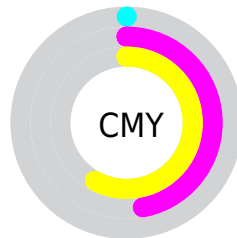


Cyan (0%)

Magenta (47%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9299, 0.4728, 0.3582 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 39.9299, 0.4728, 0.3582 by changing the saturation by 10% instead.


 39.9299, 0.4728,
0.3582

 39.9299, 0.4728,
0.3582

345.8280, 0.3909,
0.3489

 27.4839, 0.4930,
0.3585


 75.0568, 0.4430,
0.3562


 17.9370, 0.5185,
0.3577


 98.5064, 0.4318,
0.3551

 10.9047, 0.5512,
0.3545


 126.3927, 0.4223,
0.3539

 6.0028, 0.5937,
0.3461

 159.1001, 0.4142,
0.3528

 2.8468, 0.6654,
0.3346

197.0129, 0.4072,
0.3517

 1.0523, 0.7180,
0.2820

240.5156, 0.4010,

 0.0000, 1.0000,

0.3507

0.0000

289.9925, 0.3956,
0.3498

■ 0.0000, 0.0000,
0.0000

■ 39.9299, 0.4728,
0.3582

■ 39.9299, 0.4728,
0.3582

■ 34.2343, 0.5146,
0.3601

■ 46.8835, 0.4339,
0.3543

■ 29.7266, 0.5559,
0.3589

■ 55.1733, 0.3996,
0.3492

■ 26.3177, 0.5916,
0.3542

■ 64.8625, 0.3706,
0.3437

■ 23.9066, 0.6171,
0.3464

■ 76.0120, 0.3463,
0.3382

■ 23.5370, 0.6212,
0.3450

■ 88.6793, 0.3262,
0.3330

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.



39.9299, 0.4330, 0.3005



39.9299, 0.4728, 0.3582



39.9299, 0.4611, 0.4172

Triad

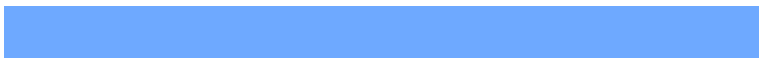
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.9299, 0.4728, 0.3582



39.9299, 0.2587, 0.4310



39.9299, 0.2123, 0.2066

Complementary

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



39.9299, 0.4728, 0.3582



64.7436, 0.2328, 0.2937

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.



39.9299, 0.1794, 0.2212



39.9299, 0.4728, 0.3582



39.9299, 0.2017, 0.3442

Square

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



39.9299, 0.4728, 0.3582



39.9299, 0.3345, 0.4784



39.9299, 0.1753, 0.2667



39.9299, 0.2737, 0.2179

Rectangle

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



39.9299, 0.4728, 0.3582



39.9299, 0.4294, 0.4521



39.9299, 0.1753, 0.2667



39.9299, 0.1981, 0.2084

Sweetspot

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



39.9274, 0.4728, 0.3582



77.2566, 0.3440, 0.3377



37.3695, 0.3453, 0.2133



16.0242, 0.3485, 0.3388



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.



39.9274, 0.4728, 0.3582



33.2595, 0.5229, 0.3601



67.4984, 0.4223, 0.4288



18.5629, 0.3290, 0.3337



12.4609, 0.6187, 0.3469



1.3565, 0.5984, 0.3631

Inverse Universe

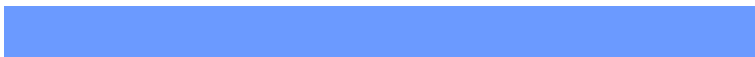
The Inverse Universe completely reimagines the original color for something new.



64.7436, 0.2328, 0.2937



59.9817, 0.2218, 0.2851



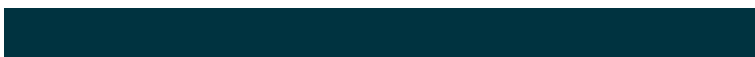
33.4131, 0.2119, 0.1986



19.8411, 0.2980, 0.3242



26.8136, 0.2069, 0.2648



2.7580, 0.2092, 0.2729

Previews

White Background



This preview shows how the Yxy color 39.9299, 0.4728, 0.3582 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 39.9299, 0.4728, 0.3582 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 39.9299, 0.4728, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 39.9299, 0.4728, 0.3582.



This preview shows how white text looks on a background with the Yxy color 39.9299, 0.4728, 0.3582.

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

39.9299, 0.4728, 0.3582

Protanopia

40.1972, 0.3683, 0.3963

Deuteranopia

39.9218, 0.4126, 0.4040



Tritanopia

39.9881, 0.4363, 0.3201

Trichromacy



Original Color

39.9299, 0.4728, 0.3582

Protanomaly

39.2700, 0.4052, 0.3818

Deuteranomaly

39.6292, 0.4348, 0.3860

Tritanomaly

39.8952, 0.4505, 0.3345

Monochromacy



Original Color

39.9299, 0.4728, 0.3582

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.1316, 0.3670, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9299, 0.4728, 0.3582 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, 136, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 107)  
}
```

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, 136, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 107) }
```

Border

The CSS property to change the border of an element to Yxy 39.9299, 0.4728, 0.3582 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, 136, 107) }
```

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

```
.border{ border-color:rgb(255, 136, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9299, 0.4728, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 107) }
```

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

```
.background{ background-color: rgb(255,  
136, 107) }
```

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