

Converting Colors

Yxy(54.8819, 0.5040, 0.3863)

Have a look what the booklet for
Yxy(54.8819, 0.5040, 0.3863)
contains.

Yxy(46.3856, 0.4738, 0.3986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3856, 0.4738, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E56
RGB	255, 158, 86
RGB Percent	100%, 62%, 34%
CMY	0.0001, 0.3803, 0.6628
CMYK	0.00, 0.38, 0.66, 0.00
HSL	26°, 100%, 67%
HSV	26°, 66%, 100%
XYZ	55.1367, 46.3856, 14.8490
YIQ	178.7950, 80.9240, -1.8280

Conversions

Conversions Part 2

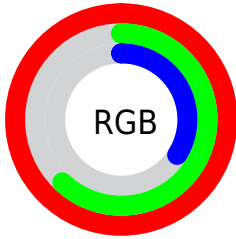
Format	Color
R _Y B	255, 211, 86
Decimal	16752214
CIE Lab	73.80, 29.95, 51.87
CIE LCh	74, 59.900, 59.996
Yxy	46.3856, 0.4738, 0.3986
Android (android.graphics.Color)	4294942294 (0xFFFF9E56)
YUV	178.7950, -45.7479, 66.8318
Hunter-Lab	68.1070, 25.3194, 34.7482

Details

The Yxy color **46.3856, 0.4738, 0.3986** 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 **43.0331, 0.2124, 0.2356**, and the grayscale version is **45.1820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6835, 0.3994, 0.4055**, and **21.7669, 0.5125, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **41.3501, 0.5049, 0.4019**, and if you desaturate by 10%, it is **52.1664, 0.4426, 0.3913**.

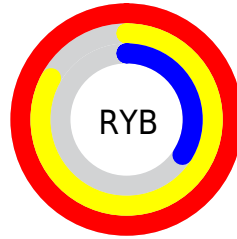
Distribution



Red (100%)

Green (62%)

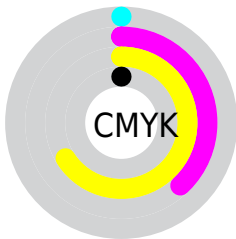
Blue (34%)



Red (100%)

Yellow (83%)

Blue (34%)

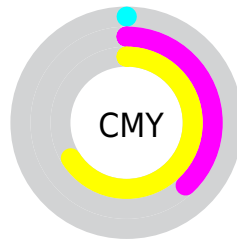


Cyan (0%)

Magenta (38%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3856, 0.4738, 0.3986 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 46.3856, 0.4738, 0.3986 by changing the saturation by 10% instead.


 46.3856, 0.4738,
0.3986


 46.3856, 0.4738,
0.3986


372.3567, 0.3954,
0.3713

 32.5502, 0.4915,
0.4025


 84.7958, 0.4465,
0.3907

 21.7821, 0.5128,
0.4058


 110.1394, 0.4358,
0.3872


 13.6969, 0.5383,
0.4073


 140.0878, 0.4267,
0.3839

 7.9101, 0.5711,
0.4060

 175.0255, 0.4187,
0.3809

 4.0375, 0.6064,
0.3936

 215.3369, 0.4118,
0.3781

 1.6946, 0.6406,
0.3594

261.4063, 0.4056,

 0.4201, 0.7349,

0.3756

0.2651

313.6181, 0.4002,
0.3733

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.3856, 0.4738,
0.3986

46.3856, 0.4738,
0.3986

41.3501, 0.5049,
0.4019

52.1664, 0.4426,
0.3913

37.0155, 0.5335,
0.4002

58.7189, 0.4130,
0.3815

33.3418, 0.5575,
0.3929

66.0768, 0.3859,
0.3702

32.1257, 0.5654,
0.3893

74.2693, 0.3619,
0.3584

83.3238, 0.3409,
0.3468

93.2664, 0.3228,
0.3356

99.9933, 0.3127,
0.3290

Harmonies

Analogous

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



46.3856, 0.4687, 0.3381



46.3856, 0.4738, 0.3986



46.3856, 0.4318, 0.4543

Triad

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



46.3856, 0.4738, 0.3986



46.3856, 0.2156, 0.3756



46.3856, 0.2487, 0.2092

Complementary

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



46.3856, 0.4738, 0.3986



43.0331, 0.2124, 0.2356

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.



46.3856, 0.1958, 0.2060



46.3856, 0.4738, 0.3986



46.3856, 0.1780, 0.2884

Square

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



46.3856, 0.4738, 0.3986



46.3856, 0.2820, 0.4569



46.3856, 0.1721, 0.2306



46.3856, 0.3271, 0.2360

Rectangle

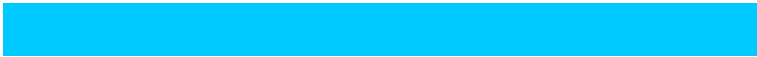
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.3856, 0.4738, 0.3986



46.3856, 0.3867, 0.4789



46.3856, 0.1721, 0.2306



46.3856, 0.2278, 0.2053

Sweetspot

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



46.3880, 0.4738, 0.3986



79.8722, 0.3484, 0.3511



31.3916, 0.3988, 0.2350



16.5518, 0.3543, 0.3544



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.



46.3880, 0.4738, 0.3986



39.6670, 0.5160, 0.4019



84.7666, 0.4121, 0.4700



19.2602, 0.3284, 0.3392



17.0732, 0.5626, 0.3915



1.8737, 0.5424, 0.4075

Inverse Universe

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



43.0331, 0.2124, 0.2356



35.9407, 0.1976, 0.2125



18.3238, 0.1869, 0.1295



19.1082, 0.2979, 0.3186



14.8635, 0.1841, 0.1827



1.6640, 0.1892, 0.2009

Previews

White Background



This preview shows how the Yxy color 46.3856, 0.4738, 0.3986 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 46.3856, 0.4738, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

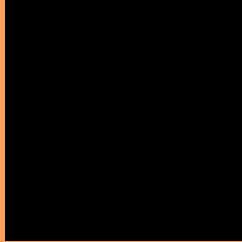
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3856, 0.4738, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 46.3856, 0.4738, 0.3986.



This preview shows how white text looks on a background with the Yxy color 46.3856, 0.4738, 0.3986.

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

46.3856, 0.4738, 0.3986

Protanopia

46.6816, 0.4009, 0.4368

Deuteranopia

46.5039, 0.4380, 0.4287



Tritanopia

46.3251, 0.4059, 0.3188

Trichromacy



Original Color

46.3856, 0.4738, 0.3986

Protanomaly

46.0146, 0.4280, 0.4222

Deuteranomaly

46.4627, 0.4513, 0.4181

Tritanomaly

46.0924, 0.4338, 0.3502

Monochromacy



Original Color

46.3856, 0.4738, 0.3986

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.4356, 0.3697, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3856, 0.4738, 0.3986 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, 158, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 86)  
}
```

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, 158, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 86) }
```

Border

The CSS property to change the border of an element to Yxy 46.3856, 0.4738, 0.3986 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, 158, 86) }
```

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

```
.border{ border-color:rgb(255, 158, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3856, 0.4738, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 86) }
```

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

```
.background{ background-color: rgb(255,  
158, 86) }
```

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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