

Converting Colors

$Yxy(60.8499, 0.5270, 0.3738)$

Have a look what the booklet for
Yxy(60.8499, 0.5270, 0.3738)
contains.

Yxy(44.7306, 0.4773, 0.3928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.7306, 0.4773, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	FF9957
RGB	255, 153, 87
RGB Percent	100%, 60%, 34%
CMY	0.0000, 0.4000, 0.6587
CMYK	0.00, 0.40, 0.66, 0.00
HSL	24°, 100%, 67%
HSV	24°, 66%, 100%
XYZ	54.3531, 44.7306, 14.7925
YIQ	175.9740, 81.9780, 1.0980

Conversions

Conversions Part 2

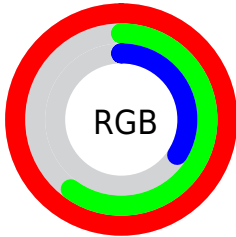
Format	Color
R_{YB}	255, 196, 87
Decimal	16750935
CIE _{Lab}	72.71, 32.63, 50.14
CIE _{LCh}	73, 59.822, 56.947
Yxy	44.7306, 0.4773, 0.3928
Android (android.graphics.Color)	4294941015 (0xFFFF9957)
YUV	175.9740, -43.8642, 69.3058
Hunter-Lab	66.8809, 28.0227, 33.7031

Details

The Yxy color **44.7306, 0.4773, 0.3928** 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 **45.6550, 0.2147, 0.2440**, and the grayscale version is **43.6055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2358, 0.4011, 0.3998**, and **20.7784, 0.5179, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **39.6423, 0.5101, 0.3956**, and if you desaturate by 10%, it is **50.6279, 0.4446, 0.3862**.

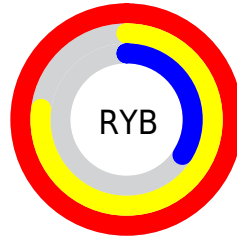
Distribution



Red (100%)

Green (60%)

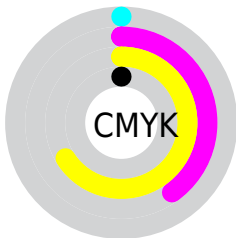
Blue (34%)



Red (100%)

Yellow (77%)

Blue (34%)

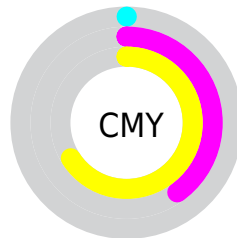


Cyan (0%)

Magenta (40%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7306, 0.4773, 0.3928 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 44.7306, 0.4773, 0.3928 by changing the saturation by 10% instead.

 44.7306, 0.4773,
0.3928

 44.7306, 0.4773,
0.3928

365.6814, 0.3964,
0.3683


 31.2453, 0.4958,
0.3961


 82.3160, 0.4489,
0.3859


 20.7857, 0.5182,
0.3985


 107.1849, 0.4379,
0.3827


 12.9674, 0.5454,
0.3988


 136.6171, 0.4285,
0.3798

 7.4061, 0.5806,
0.3960

 170.9969, 0.4203,
0.3770

 3.7174, 0.6189,
0.3811

 210.7089, 0.4132,
0.3745

 1.5167, 0.6573,
0.3427

256.1374, 0.4069,

 0.3005, 0.7863,

0.3723

0.2137

307.6667, 0.4013,
0.3702

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.7306, 0.4773,
0.3928

■ 44.7306, 0.4773,
0.3928

■ 39.6423, 0.5101,
0.3956

■ 50.6279, 0.4446,
0.3862

■ 35.3154, 0.5405,
0.3934

■ 57.3659, 0.4139,
0.3771


■ 31.7052, 0.5659,
0.3858

■ 64.9814, 0.3861,
0.3666

■ 30.4042, 0.5750,
0.3816

■ 73.5071, 0.3616,
0.3557

 82.9738, 0.3404,
0.3450

 93.4108, 0.3222,
0.3347

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.



44.7306, 0.4668, 0.3319



44.7306, 0.4773, 0.3928



44.7306, 0.4388, 0.4503

Triad

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



44.7306, 0.4773, 0.3928



44.7306, 0.2202, 0.3856



44.7306, 0.2413, 0.2067

Complementary

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



44.7306, 0.4773, 0.3928



45.6550, 0.2147, 0.2440

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.



44.7306, 0.1909, 0.2060



44.7306, 0.4773, 0.3928



44.7306, 0.1791, 0.2957

Square

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



44.7306, 0.4773, 0.3928



44.7306, 0.2895, 0.4643



44.7306, 0.1701, 0.2338



44.7306, 0.3184, 0.2315

Rectangle

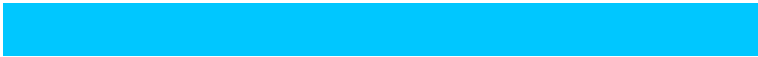
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.7306, 0.4773, 0.3928



44.7306, 0.3947, 0.4777



44.7306, 0.1701, 0.2338



44.7306, 0.2212, 0.2036

Sweetspot

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



44.7326, 0.4773, 0.3928



78.9477, 0.3487, 0.3494



31.8262, 0.3908, 0.2303



16.3316, 0.3548, 0.3524



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.



44.7326, 0.4773, 0.3928



38.2077, 0.5200, 0.3955



81.5968, 0.4152, 0.4654



19.1573, 0.3284, 0.3384



16.1568, 0.5721, 0.3840



1.7786, 0.5511, 0.4006

Inverse Universe

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



45.6550, 0.2147, 0.2440



38.9944, 0.2010, 0.2237



19.6860, 0.1891, 0.1368



19.2135, 0.2979, 0.3194



16.2942, 0.1874, 0.1946



1.7995, 0.1921, 0.2115

Previews

White Background



This preview shows how the Yxy color 44.7306, 0.4773, 0.3928 looks on a white background.

Color Contrast Check

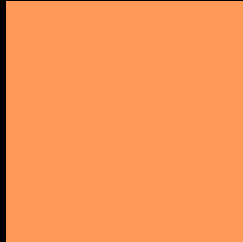
Large Text (above 18pt) WCAG AA × Fail

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 44.7306, 0.4773, 0.3928 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 44.7306, 0.4773, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 44.7306, 0.4773, 0.3928.



This preview shows how white text looks on a background with the Yxy color 44.7306, 0.4773, 0.3928.

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

44.7306, 0.4773, 0.3928

Protanopia

44.9550, 0.3975, 0.4332

Deuteranopia

44.7461, 0.4361, 0.4265



Tritanopia

44.5618, 0.4132, 0.3188

Trichromacy



Original Color

44.7306, 0.4773, 0.3928

Protanomaly

44.4452, 0.4260, 0.4183

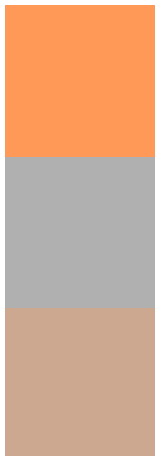
Deuteranomaly

44.5147, 0.4513, 0.4144

Tritanomaly

44.4208, 0.4386, 0.3470

Monochromacy



Original Color

44.7306, 0.4773, 0.3928

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9980, 0.3698, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7306, 0.4773, 0.3928 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 87) }
```

Border

The CSS property to change the border of an element to Yxy 44.7306, 0.4773, 0.3928 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, 87) }
```

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

```
.border{ border-color:rgb(255, 153, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7306, 0.4773, 0.3928 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
153, 87) }
```

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