

Converting Colors

$Y_{xy}(38.4663, 0.4776, 0.3576)$

Have a look what the booklet for
Yxy(38.4663, 0.4776, 0.3576)
contains.

Yxy(38.3847, 0.4771, 0.3572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3847, 0.4771, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	FD8468
RGB	253, 132, 104
RGB Percent	99%, 52%, 41%
CMY	0.0077, 0.4824, 0.5921
CMYK	0.00, 0.48, 0.59, 0.01
HSL	11°, 97%, 70%
HSV	11°, 59%, 99%
XYZ	51.2691, 38.3847, 17.8061
YIQ	164.9870, 81.1040, 16.9440

Conversions

Conversions Part 2

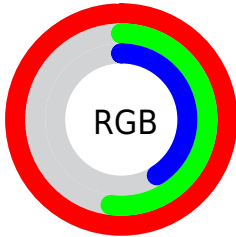
Format	Color
R_{YB}	253, 138, 104
Decimal	16614504
CIE _{Lab}	68.30, 43.64, 35.98
CIE _{LCh}	68, 56.558, 39.506
Yxy	38.3847, 0.4771, 0.3572
Android (android.graphics.Color)	4294804584 (0xFFFD8468)
YUV	164.9870, -30.0666, 77.1874
Hunter-Lab	61.9554, 39.2899, 26.3287

Details

The Yxy color **38.3847, 0.4771, 0.3572** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.9267, 0.2323, 0.2946**, and the grayscale version is **37.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2009, 0.3972, 0.3617**, and **16.9539, 0.5246, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **32.9120, 0.5194, 0.3587**, and if you desaturate by 10%, it is **45.1138, 0.4375, 0.3536**.

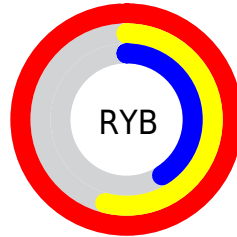
Distribution



Red (99%)

Green (52%)

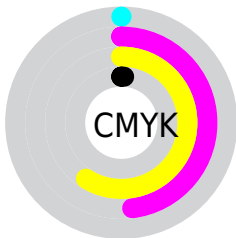
Blue (41%)



Red (99%)

Yellow (54%)

Blue (41%)

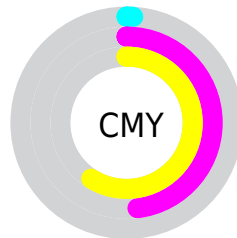


Cyan (0%)

Magenta (48%)

Yellow (59%)

Black (1%)



Cyan (1%)


Magenta (48%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3847, 0.4771, 0.3572 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 38.3847, 0.4771, 0.3572 by changing the saturation by 10% instead.


 38.3847, 0.4771,
0.3572


 38.3847, 0.4771,
0.3572


339.2674, 0.3925,
0.3486

 26.2814, 0.4981,
0.3572


 72.6974, 0.4462,
0.3556


 17.0343, 0.5246,
0.3560


 95.6756, 0.4347,
0.3545

 10.2589, 0.5586,
0.3519


 123.0475, 0.4249,
0.3534

 5.5710, 0.6029,
0.3421

 155.1976, 0.4165,
0.3524

 2.5860, 0.6737,
0.3263

192.5103, 0.4093,
0.3513

 0.9196, 0.7299,
0.2701

235.3698, 0.4029,

 0.0000, 1.0000,

0.3504

0.0000

284.1607, 0.3974,
0.3495

0.0000, 0.0000,
0.0000

38.3847, 0.4771,
0.3572

38.3847, 0.4771,
0.3572

32.9120, 0.5194,
0.3587

45.1138, 0.4375,
0.3536

28.6107, 0.5607,
0.3572

53.1654, 0.4027,
0.3488

25.3941, 0.5958,
0.3523

62.6078, 0.3730,
0.3436

23.1568, 0.6203,
0.3447

73.5031, 0.3483,
0.3383

22.9623, 0.6225,
0.3439

85.9095, 0.3278,
0.3332

99.6300, 0.3115,
0.3290

Harmonies

Analogous

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



38.3847, 0.4353, 0.2984



38.3847, 0.4771, 0.3572



38.3847, 0.4655, 0.4177

Triad

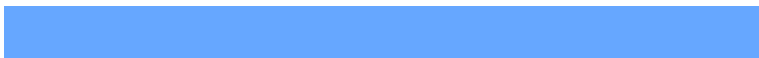
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.3847, 0.4771, 0.3572



38.3847, 0.2582, 0.4359



38.3847, 0.2089, 0.2036

Complementary

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



38.3847, 0.4771, 0.3572



63.9267, 0.2323, 0.2946

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.



38.3847, 0.1758, 0.2188



38.3847, 0.4771, 0.3572



38.3847, 0.1996, 0.3461

Square

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



38.3847, 0.4771, 0.3572



38.3847, 0.3361, 0.4835



38.3847, 0.1721, 0.2658



38.3847, 0.2710, 0.2148

Rectangle

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



38.3847, 0.4771, 0.3572



38.3847, 0.4333, 0.4540



38.3847, 0.1721, 0.2658



38.3847, 0.1946, 0.2055

Sweetspot

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



38.3867, 0.4771, 0.3572



75.8631, 0.3463, 0.3378



36.2684, 0.3459, 0.2120



15.5050, 0.3529, 0.3394



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.



38.3867, 0.4771, 0.3572



32.4637, 0.5285, 0.3587



65.9587, 0.4240, 0.4299



18.5385, 0.3290, 0.3335



12.3641, 0.6202, 0.3458



1.3437, 0.6001, 0.3617

Inverse Universe

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



63.9267, 0.2323, 0.2946



60.3983, 0.2216, 0.2863



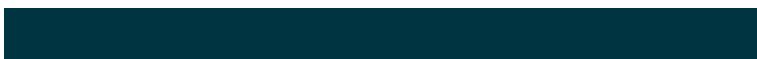
32.2368, 0.2105, 0.1964



19.8677, 0.2980, 0.3244



27.3345, 0.2077, 0.2676



2.8042, 0.2098, 0.2754

Previews

White Background



This preview shows how the Yxy color 38.3847, 0.4771, 0.3572 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 38.3847, 0.4771, 0.3572 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 38.3847, 0.4771, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 38.3847, 0.4771, 0.3572.



This preview shows how white text looks on a background with the Yxy color 38.3847, 0.4771, 0.3572.

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

38.3847, 0.4771, 0.3572

Protanopia

38.6487, 0.3692, 0.3973

Deuteranopia

38.3936, 0.4143, 0.4049



Tritanopia

38.5045, 0.4447, 0.3202

Trichromacy



Original Color

38.3847, 0.4771, 0.3572

Protanomaly

37.5689, 0.4084, 0.3811

Deuteranomaly

37.8066, 0.4376, 0.3855

Tritanomaly

38.2520, 0.4571, 0.3335

Monochromacy



Original Color

38.3847, 0.4771, 0.3572

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.6360, 0.3680, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3847, 0.4771, 0.3572 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(253, 132, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 132, 104)  
}
```

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(253, 132, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 132, 104) }
```

Border

The CSS property to change the border of an element to Yxy 38.3847, 0.4771, 0.3572 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(253, 132, 104) }
```

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

```
.border{ border-color:rgb(253, 132, 104) }
```

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

Here you see how a box with a 4 pixel rgb(253, 132, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 132, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 132, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 132,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3847, 0.4771, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 132, 104) }
```

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

```
.background{ background-color: rgb(253,  
132, 104) }
```

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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