

Converting Colors

$Y_{xy}(37.7707, 0.4894, 0.3612)$

Have a look what the booklet for
Yxy(37.7707, 0.4894, 0.3612)
contains.

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Color

Yxy(37.8050, 0.4892, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	FF8160
RGB	255, 129, 96
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4941, 0.6236
CMYK	0.00, 0.49, 0.62, 0.00
HSL	12°, 100%, 69%
HSV	12°, 62%, 100%
XYZ	51.2021, 37.8050, 15.6579
YIQ	162.9120, 85.6890, 16.4490

Conversions

Conversions Part 2

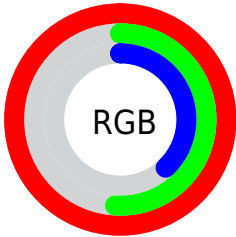
Format	Color
R_{YB}	255, 138, 96
Decimal	16744800
CIE Lab	67.88, 45.30, 39.83
CIE LCh	68, 60.321, 41.326
Yxy	37.8050, 0.4892, 0.3612
Android (android.graphics.Color)	4294934880 (0xFFFF8160)
YUV	162.9120, -32.9876, 80.7612
Hunter-Lab	61.4858, 41.0453, 27.9413

Details

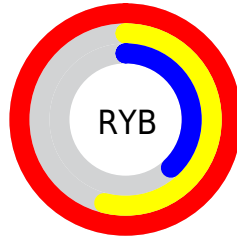
The Yxy color **37.8050, 0.4892, 0.3612** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.9304, 0.2279, 0.2882**, and the grayscale version is **36.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6476, 0.4062, 0.3680**, and **16.7197, 0.5397, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **32.6034, 0.5309, 0.3620**, and if you desaturate by 10%, it is **44.2131, 0.4492, 0.3578**.

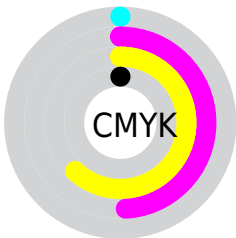
Distribution



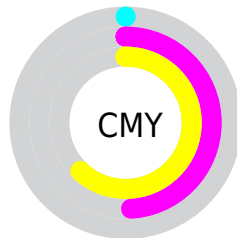
- Red (100%)
- Green (51%)
- Blue (38%)



- Red (100%)
- Yellow (54%)
- Blue (38%)



- Cyan (0%)
- Magenta (49%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8050, 0.4892, 0.3612 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 37.8050, 0.4892, 0.3612 by changing the saturation by 10% instead.

 37.8050, 0.4892,
0.3612


 37.8050, 0.4892,
0.3612


336.7827, 0.3986,
0.3517


 25.8314, 0.5114,
0.3610


 71.8092, 0.4563,
0.3596

 16.6975, 0.5391,
0.3592


 94.6085, 0.4439,
0.3584

 10.0191, 0.5742,
0.3540


 121.7852, 0.4334,
0.3572

 5.4116, 0.6207,
0.3429

 153.7236, 0.4244,
0.3560

 2.4907, 0.6813,
0.3187

190.8082, 0.4167,
0.3548

 0.8720, 0.7395,
0.2605

233.4233, 0.4099,

 0.0000, 1.0000,

0.3537

0.0000

281.9533, 0.4039,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 37.8050, 0.4892,
0.3612

■ 37.8050, 0.4892,
0.3612

■ 32.6034, 0.5309,
0.3620

■ 44.2131, 0.4492,
0.3578

■ 28.5275, 0.5701,
0.3594

■ 51.8952, 0.4132,
0.3529

■ 25.4910, 0.6017,
0.3530

■ 60.9172, 0.3822,
0.3472

■ 23.8033, 0.6191,
0.3466

■ 71.3395, 0.3561,
0.3413

■ 83.2189, 0.3344,
0.3356

96.6088, 0.3165,
0.3302

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.



37.8050, 0.4483, 0.2994



37.8050, 0.4892, 0.3612



37.8050, 0.4724, 0.4252

Triad

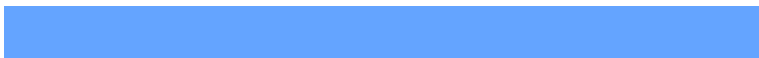
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8050, 0.4892, 0.3612



37.8050, 0.2493, 0.4395



37.8050, 0.2056, 0.1964

Complementary

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



37.8050, 0.4892, 0.3612



61.9304, 0.2279, 0.2882

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.



37.8050, 0.1692, 0.2100



37.8050, 0.4892, 0.3612



37.8050, 0.1895, 0.3407

Square

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



37.8050, 0.4892, 0.3612



37.8050, 0.3311, 0.4945



37.8050, 0.1633, 0.2567



37.8050, 0.2728, 0.2098

Rectangle

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



37.8050, 0.4892, 0.3612



37.8050, 0.4359, 0.4640



37.8050, 0.1633, 0.2567



37.8050, 0.1900, 0.1976

Sweetspot

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



37.8060, 0.4892, 0.3612



75.1699, 0.3483, 0.3393



34.9590, 0.3512, 0.2089



15.3900, 0.3549, 0.3410



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.



37.8060, 0.4892, 0.3612



31.4228, 0.5416, 0.3617



66.8712, 0.4293, 0.4368



18.5982, 0.3289, 0.3340



12.6080, 0.6166, 0.3486



1.3757, 0.5958, 0.3651

Inverse Universe

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



61.9304, 0.2279, 0.2882



57.0421, 0.2173, 0.2785



29.5553, 0.2038, 0.1836



19.8030, 0.2980, 0.3239



26.0748, 0.2057, 0.2606



2.6922, 0.2082, 0.2693

Previews

White Background



This preview shows how the Yxy color 37.8050, 0.4892, 0.3612 looks on a white background.

Color Contrast Check

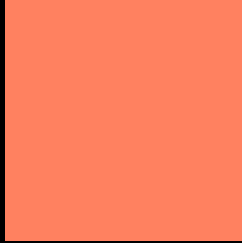
Large Text (above 18pt) WCAG AA × Fail

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 37.8050, 0.4892, 0.3612 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 37.8050, 0.4892, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 37.8050, 0.4892, 0.3612.



This preview shows how white text looks on a background with the Yxy color 37.8050, 0.4892, 0.3612.

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

37.8050, 0.4892, 0.3612

Protanopia

38.1015, 0.3768, 0.4070

Deuteranopia

37.8884, 0.4228, 0.4139



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.8050, 0.4892, 0.3612

Protanomaly

37.0678, 0.4169, 0.3895

Deuteranomaly

37.1697, 0.4486, 0.3924

Tritanomaly

37.7948, 0.4649, 0.3365

Monochromacy



Original Color

37.8050, 0.4892, 0.3612

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7331, 0.3718, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8050, 0.4892, 0.3612 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, 129, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 96)  
}
```

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, 129, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 96) }
```

Border

The CSS property to change the border of an element to Yxy 37.8050, 0.4892, 0.3612 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, 129, 96) }
```

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

```
.border{ border-color:rgb(255, 129, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8050, 0.4892, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 96) }
```

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

```
.background{ background-color: rgb(255,  
129, 96) }
```

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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