

Converting Colors

$Y_{xy}(48.3008, 0.5134, 0.3435)$

Have a look what the booklet for
Yxy(48.3008, 0.5134, 0.3435)
contains.

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Color

Yxy(37.8025, 0.4764, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	FF806D
RGB	255, 128, 109
RGB Percent	100%, 50%, 43%
CMY	0.0000, 0.4980, 0.5725
CMYK	0.00, 0.50, 0.57, 0.00
HSL	8°, 100%, 71%
HSV	8°, 57%, 100%
XYZ	51.7206, 37.8025, 19.0424
YIQ	163.8070, 81.7910, 21.0150

Conversions

Conversions Part 2

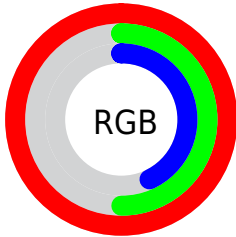
Format	Color
R _Y B	255, 131, 109
Decimal	16744557
CIE Lab	67.87, 46.68, 32.77
CIE LCh	68, 57.029, 35.069
Yxy	37.8025, 0.4764, 0.3482
Android (android.graphics.Color)	4294934637 (0xFFFF806D)
YUV	163.8070, -27.0199, 79.9763
Hunter-Lab	61.4837, 42.5590, 24.6757

Details

The Yxy color **37.8025, 0.4764, 0.3482** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **70.4681, 0.2362, 0.3062**, and the grayscale version is **37.1312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7002, 0.3945, 0.3524**, and **16.7065, 0.5242, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **32.1641, 0.5208, 0.3493**, and if you desaturate by 10%, it is **44.8685, 0.4354, 0.3457**.

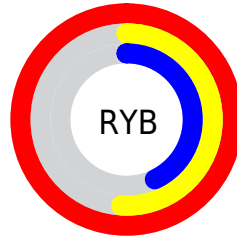
Distribution



Red (100%)

Green (50%)

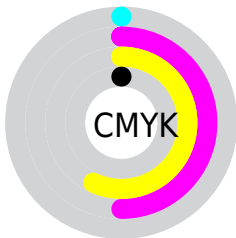
Blue (43%)



Red (100%)

Yellow (51%)

Blue (43%)

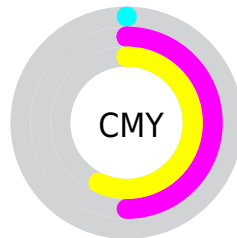


Cyan (0%)

Magenta (50%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (50%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8025, 0.4764, 0.3482 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 37.8025, 0.4764, 0.3482 by changing the saturation by 10% instead.


 37.8025, 0.4764,
0.3482


 37.8025, 0.4764,
0.3482


336.7720, 0.3917,
0.3438

 25.8294, 0.4977,
0.3474


 71.8053, 0.4454,
0.3480

 16.6961, 0.5247,
0.3451


 94.6039, 0.4337,
0.3475

 10.0180, 0.5597,
0.3399


 121.7797, 0.4239,
0.3469

 5.4109, 0.6059,
0.3289

 153.7172, 0.4156,
0.3462

 2.4903, 0.6860,
0.3140

190.8008, 0.4084,
0.3456

 0.8718, 0.7449,
0.2551

233.4149, 0.4021,

 0.0000, 1.0000,

0.3450

0.0000

281.9438, 0.3966,
0.3444

■ 0.0000, 0.0000,
0.0000

■ 37.8025, 0.4764,
0.3482

■ 37.8025, 0.4764,
0.3482

■ 32.1641, 0.5208,
0.3493

■ 44.8685, 0.4354,
0.3457

■ 27.8506, 0.5643,
0.3481

■ 53.4451, 0.3997,
0.3423

■ 24.7536, 0.6012,
0.3445

■ 63.6151, 0.3697,
0.3386

■ 22.7445, 0.6258,
0.3388

■ 75.4539, 0.3451,
0.3349

■ 22.3573, 0.6307,
0.3374

■ 89.0318, 0.3249,
0.3314

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.



37.8025, 0.4266, 0.2897



37.8025, 0.4764, 0.3482



37.8025, 0.4722, 0.4096

Triad

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



37.8025, 0.4764, 0.3482



37.8025, 0.2683, 0.4486



37.8025, 0.2009, 0.2027

Complementary

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



37.8025, 0.4764, 0.3482



70.4681, 0.2362, 0.3062

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.



37.8025, 0.1719, 0.2223



37.8025, 0.4764, 0.3482



37.8025, 0.2050, 0.3603

Square

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



37.8025, 0.4764, 0.3482



37.8025, 0.3482, 0.4871



37.8025, 0.1726, 0.2749



37.8025, 0.2594, 0.2104

Rectangle

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



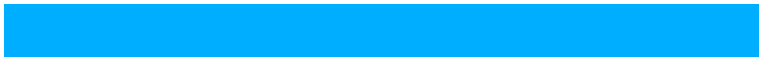
37.8025, 0.4764, 0.3482



37.8025, 0.4431, 0.4478



37.8025, 0.1726, 0.2749



37.8025, 0.1879, 0.2060

Sweetspot

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



37.8043, 0.4764, 0.3482



75.7708, 0.3445, 0.3348



38.3715, 0.3350, 0.2068



15.6777, 0.3491, 0.3355



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.



37.8043, 0.4764, 0.3482



31.3160, 0.5286, 0.3492



63.2292, 0.4269, 0.4189



18.3678, 0.3291, 0.3322



11.7989, 0.6288, 0.3389



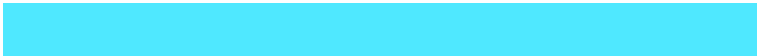
1.2617, 0.6116, 0.3526

Inverse Universe

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



70.4681, 0.2362, 0.3062



66.6600, 0.2263, 0.3007



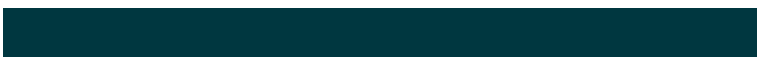
37.3736, 0.2160, 0.2135



20.0545, 0.2980, 0.3258



31.1799, 0.2131, 0.2872



3.1433, 0.2146, 0.2925

Previews

White Background



This preview shows how the Yxy color 37.8025, 0.4764, 0.3482 looks on a white background.

Color Contrast Check

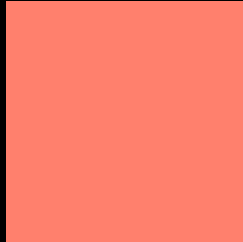
Large Text (above 18pt) WCAG AA × Fail

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 37.8025, 0.4764, 0.3482 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 37.8025, 0.4764, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 37.8025, 0.4764, 0.3482.



This preview shows how white text looks on a background with the Yxy color 37.8025, 0.4764, 0.3482.

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

37.8025, 0.4764, 0.3482

Protanopia

38.2181, 0.3613, 0.3868

Deuteranopia

37.7124, 0.4083, 0.4000



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.8025, 0.4764, 0.3482

Protanomaly

36.9102, 0.4026, 0.3714

Deuteranomaly

37.1030, 0.4342, 0.3790

Tritanomaly

37.9194, 0.4592, 0.3315

Monochromacy



Original Color

37.8025, 0.4764, 0.3482

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.0172, 0.3677, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8025, 0.4764, 0.3482 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, 128, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 109)  
}
```

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, 128, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 109) }
```

Border

The CSS property to change the border of an element to Yxy 37.8025, 0.4764, 0.3482 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, 128, 109) }
```

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

```
.border{ border-color:rgb(255, 128, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8025, 0.4764, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 109) }
```

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

```
.background{ background-color: rgb(255,  
128, 109) }
```

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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