

Converting Colors

$Y_{xy}(40.7493, 0.5104, 0.3611)$

Have a look what the booklet for
Yxy(40.7493, 0.5104, 0.3611)
contains.

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Color

Yxy(37.1769, 0.4967, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F5A
RGB	255, 127, 90
RGB Percent	100%, 50%, 35%
CMY	0.0000, 0.5019, 0.6472
CMYK	0.00, 0.50, 0.65, 0.00
HSL	13°, 100%, 68%
HSV	13°, 65%, 100%
XYZ	50.6744, 37.1769, 14.1709
YIQ	161.0540, 88.1650, 15.6290

Conversions

Conversions Part 2

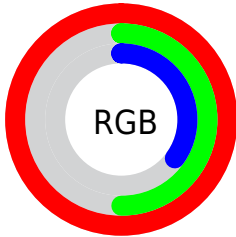
Format	Color
RYB	255, 138, 90
Decimal	16744282
CIELab	67.41, 45.91, 42.46
CIElCh	67, 62.531, 42.761
Yxy	37.1769, 0.4967, 0.3644
Android (android.graphics.Color)	4294934362 (0xFFFF7F5A)
YUV	161.0540, -35.0296, 82.3906
Hunter-Lab	60.9729, 41.6485, 28.9012

Details

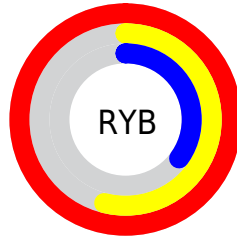
The Yxy color **37.1769, 0.4967, 0.3644** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **59.5151, 0.2249, 0.2828**, and the grayscale version is **35.8023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6390, 0.4124, 0.3720**, and **16.4022, 0.5487, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **32.1992, 0.5375, 0.3647**, and if you desaturate by 10%, it is **43.3093, 0.4567, 0.3612**.

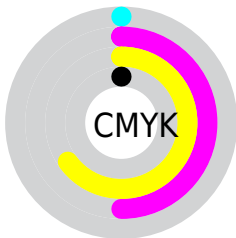
Distribution



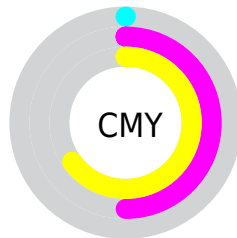
- Red (100%)
- Green (50%)
- Blue (35%)



- Red (100%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (50%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1769, 0.4967, 0.3644 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 37.1769, 0.4967, 0.3644 by changing the saturation by 10% instead.


 37.1769, 0.4967,
0.3644


 37.1769, 0.4967,
0.3644


334.0758, 0.4024,
0.3541

 25.3445, 0.5196,
0.3641


 70.8448, 0.4626,
0.3627


 16.3339, 0.5480,
0.3619


 93.4490, 0.4497,
0.3614

 9.7607, 0.5835,
0.3558


 120.4127, 0.4388,
0.3601

 5.2406, 0.6331,
0.3448

 152.1201, 0.4294,
0.3588

 2.3891, 0.6855,
0.3145

188.9558, 0.4213,
0.3575

 0.8203, 0.7458,
0.2542

231.3040, 0.4142,

 0.0000, 1.0000,

0.3563

0.0000

279.5492, 0.4080,
0.3551

■ 0.0000, 0.0000,
0.0000

■ 37.1769, 0.4967,
0.3644

■ 37.1769, 0.4967,
0.3644

■ 32.1992, 0.5375,
0.3647

■ 43.3093, 0.4567,
0.3612

■ 28.2965, 0.5750,
0.3611

■ 50.6595, 0.4202,
0.3561


■ 25.3856, 0.6043,
0.3538

■ 59.2913, 0.3885,
0.3501

■ 24.2091, 0.6160,
0.3491

■ 69.2630, 0.3616,
0.3437

■ 80.6288, 0.3390,
0.3375

 93.4402, 0.3204,
0.3316

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.



37.1769, 0.4574, 0.3007



37.1769, 0.4967, 0.3644



37.1769, 0.4758, 0.4305

Triad

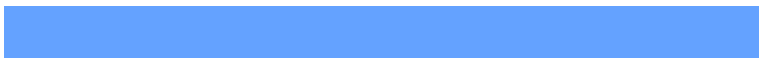
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.1769, 0.4967, 0.3644



37.1769, 0.2427, 0.4403



37.1769, 0.2043, 0.1920

Complementary

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



37.1769, 0.4967, 0.3644



59.5151, 0.2249, 0.2828

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.



37.1769, 0.1656, 0.2042



37.1769, 0.4967, 0.3644



37.1769, 0.1827, 0.3358

Square

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



37.1769, 0.4967, 0.3644



37.1769, 0.3267, 0.5011



37.1769, 0.1578, 0.2502



37.1769, 0.2751, 0.2071

Rectangle

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



37.1769, 0.4967, 0.3644



37.1769, 0.4364, 0.4708



37.1769, 0.1578, 0.2502



37.1769, 0.1879, 0.1928

Sweetspot

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



37.1785, 0.4967, 0.3644



75.5875, 0.3482, 0.3402



33.6946, 0.3561, 0.2079



15.4893, 0.3547, 0.3419



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.



37.1785, 0.4967, 0.3644



30.8034, 0.5504, 0.3640



67.2273, 0.4319, 0.4420



18.6481, 0.3289, 0.3344



12.8310, 0.6134, 0.3512



1.4040, 0.5922, 0.3680

Inverse Universe

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



59.5151, 0.2249, 0.2828



54.3349, 0.2141, 0.2717



27.2064, 0.1991, 0.1737



19.7491, 0.2980, 0.3235



25.0552, 0.2041, 0.2548



2.6011, 0.2067, 0.2642

Previews

White Background



This preview shows how the Yxy color 37.1769, 0.4967, 0.3644 looks on a white background.

Color Contrast Check

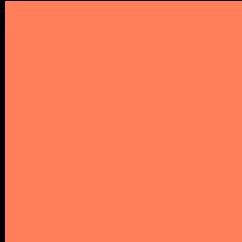
Large Text (above 18pt) WCAG AA × Fail

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 37.1769, 0.4967, 0.3644 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 37.1769, 0.4967, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 37.1769, 0.4967, 0.3644.



This preview shows how white text looks on a background with the Yxy color 37.1769, 0.4967, 0.3644.

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

37.1769, 0.4967, 0.3644

Protanopia

37.4934, 0.3815, 0.4141

Deuteranopia

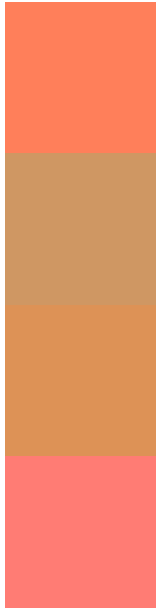
37.3106, 0.4276, 0.4196



Tritanopia

37.0646, 0.4544, 0.3213

Trichromacy



Original Color

37.1769, 0.4967, 0.3644

Protanomaly

36.2995, 0.4240, 0.3941

Deuteranomaly

36.6018, 0.4539, 0.3976

Tritanomaly

36.9363, 0.4714, 0.3374

Monochromacy



Original Color

37.1769, 0.4967, 0.3644

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.8463, 0.3757, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1769, 0.4967, 0.3644 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, 127, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 90)  
}
```

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, 127, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 90) }
```

Border

The CSS property to change the border of an element to Yxy 37.1769, 0.4967, 0.3644 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, 127, 90) }
```

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

```
.border{ border-color:rgb(255, 127, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1769, 0.4967, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 90) }
```

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

```
.background{ background-color: rgb(255,  
127, 90) }
```

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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