

Converting Colors

$Y_{xy}(36.8739, 0.4861, 0.3517)$

Have a look what the booklet for
Yxy(36.8739, 0.4861, 0.3517)
contains.

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Color

Yxy(36.8865, 0.4861, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	FF7D66
RGB	255, 125, 102
RGB Percent	100%, 49%, 40%
CMY	0.0000, 0.5097, 0.6001
CMYK	0.00, 0.51, 0.60, 0.00
HSL	9°, 100%, 70%
HSV	9°, 60%, 100%
XYZ	50.9680, 36.8865, 16.9963
YIQ	161.2480, 84.8630, 20.4070

Conversions

Conversions Part 2

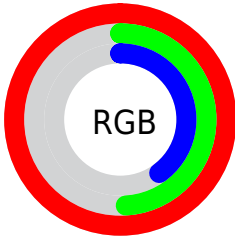
Format	Color
R _Y B	255, 129, 102
Decimal	16743782
CIE Lab	67.19, 47.63, 35.75
CIE LCh	67, 59.553, 36.889
Yxy	36.8865, 0.4861, 0.3518
Android (android.graphics.Color)	4294933862 (0xFFFF7D66)
YUV	161.2480, -29.2093, 82.2205
Hunter-Lab	60.7343, 43.5116, 25.9218

Details

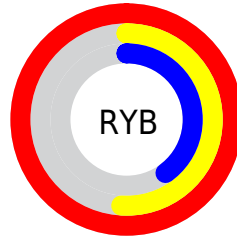
The Yxy color **36.8865, 0.4861, 0.3518** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **67.7239, 0.2327, 0.3010**, and the grayscale version is **35.8722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2024, 0.4028, 0.3576**, and **16.2385, 0.5369, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **31.5585, 0.5300, 0.3525**, and if you desaturate by 10%, it is **43.5695, 0.4446, 0.3492**.

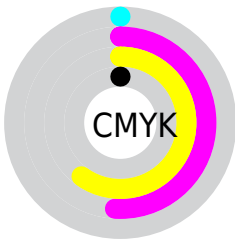
Distribution



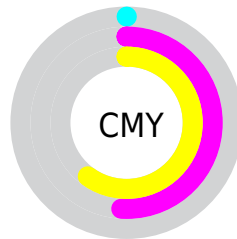
- Red (100%)
- Green (49%)
- Blue (40%)



- Red (100%)
- Yellow (51%)
- Blue (40%)



- Cyan (0%)
- Magenta (51%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8865, 0.4861, 0.3518 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 36.8865, 0.4861, 0.3518 by changing the saturation by 10% instead.


 36.8865, 0.4861,
0.3518


 36.8865, 0.4861,
0.3518


332.8189, 0.3963,
0.3464

 25.1196, 0.5085,
0.3509


 70.3982, 0.4533,
0.3515

 16.1662, 0.5368,
0.3482


 92.9118, 0.4410,
0.3508

 9.6418, 0.5731,
0.3423


 119.7764, 0.4306,
0.3501

 5.1621, 0.6206,
0.3297

 151.3765, 0.4217,
0.3493

 2.3427, 0.6924,
0.3076

188.0964, 0.4141,
0.3486

 0.7962, 0.7543,
0.2457

230.3205, 0.4074,

 0.0000, 1.0000,

0.3478

0.0000

278.4332, 0.4015,
0.3471

■ 0.0000, 0.0000,
0.0000

■ 36.8865, 0.4861,
0.3518

■ 36.8865, 0.4861,
0.3518

■ 31.5585, 0.5300,
0.3525

■ 43.5695, 0.4446,
0.3492

■ 27.4863, 0.5719,
0.3507

■ 51.6860, 0.4080,
0.3455

■ 24.5664, 0.6059,
0.3459

■ 61.3153, 0.3770,
0.3413

■ 22.6702, 0.6281,
0.3395

■ 72.5293, 0.3512,
0.3370

■ 85.3951, 0.3300,
0.3328

99.9762, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



36.8865, 0.4372, 0.2910



36.8865, 0.4861, 0.3518



36.8865, 0.4775, 0.4156

Triad

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



36.8865, 0.4861, 0.3518



36.8865, 0.2608, 0.4511



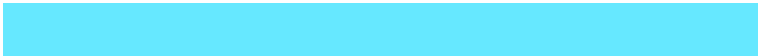
36.8865, 0.1987, 0.1970

Complementary

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



36.8865, 0.4861, 0.3518



67.7239, 0.2327, 0.3010

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.



36.8865, 0.1670, 0.2151



36.8865, 0.4861, 0.3518



36.8865, 0.1968, 0.3555

Square

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



36.8865, 0.4861, 0.3518



36.8865, 0.3437, 0.4955



36.8865, 0.1656, 0.2672



36.8865, 0.2613, 0.2067

Rectangle

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



36.8865, 0.4861, 0.3518



36.8865, 0.4449, 0.4556



36.8865, 0.1656, 0.2672



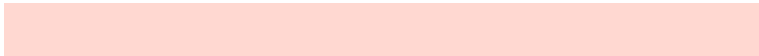
36.8865, 0.1847, 0.1997

Sweetspot

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



36.8885, 0.4861, 0.3518



74.9868, 0.3466, 0.3361



36.5835, 0.3414, 0.2062



15.2952, 0.3533, 0.3374



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.



36.8885, 0.4861, 0.3518



30.6536, 0.5387, 0.3524



64.1923, 0.4298, 0.4269



18.4284, 0.3291, 0.3326



11.9780, 0.6260, 0.3411



1.2901, 0.6075, 0.3558

Inverse Universe

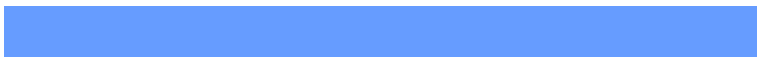
The Inverse Universe completely reimagines the original color for something new.



67.7239, 0.2327, 0.3010



63.7036, 0.2230, 0.2945



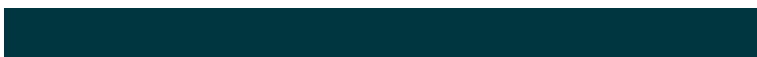
33.6613, 0.2100, 0.2001



19.9877, 0.2980, 0.3253



29.7707, 0.2112, 0.2803



3.0195, 0.2129, 0.2864

Previews

White Background



This preview shows how the Yxy color 36.8865, 0.4861, 0.3518 looks on a white background.

Color Contrast Check

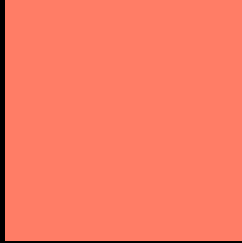
Large Text (above 18pt) WCAG AA × Fail

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 36.8865, 0.4861, 0.3518 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 36.8865, 0.4861, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 36.8865, 0.4861, 0.3518.



This preview shows how white text looks on a background with the Yxy color 36.8865, 0.4861, 0.3518.

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

36.8865, 0.4861, 0.3518

Protanopia

37.2060, 0.3674, 0.3942

Deuteranopia

36.7636, 0.4150, 0.4062



Tritanopia

36.7908, 0.4562, 0.3214

Trichromacy



Original Color

36.8865, 0.4861, 0.3518

Protanomaly

35.9617, 0.4098, 0.3778

Deuteranomaly

36.1927, 0.4415, 0.3847

Tritanomaly

36.7820, 0.4674, 0.3325

Monochromacy



Original Color

36.8865, 0.4861, 0.3518

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.6754, 0.3708, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8865, 0.4861, 0.3518 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, 125, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 102)  
}
```

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, 125, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 102) }
```

Border

The CSS property to change the border of an element to Yxy 36.8865, 0.4861, 0.3518 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, 125, 102) }
```

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

```
.border{ border-color:rgb(255, 125, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8865, 0.4861, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 102) }
```

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

```
.background{ background-color: rgb(255,  
125, 102) }
```

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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