

Converting Colors

$Y_{xy}(37.5201, 0.4789, 0.3772)$

Have a look what the booklet for
Yxy(37.5201, 0.4789, 0.3772)
contains.

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Color

Yxy(37.6842, 0.4782, 0.3773)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F3895A |
| RGB | 243, 137, 90 |
| RGB Percent | 95%, 54%, 35% |
| CMY | 0.0469, 0.4628, 0.6470 |
| CMYK | 0.00, 0.44, 0.63, 0.05 |
| HSL | 18°, 86%, 65% |
| HSV | 18°, 63%, 95% |
| XYZ | 47.7620, 37.6842, 14.4325 |
| YIQ | 163.3360, 78.2630, 7.8550 |

Conversions

Conversions Part 2

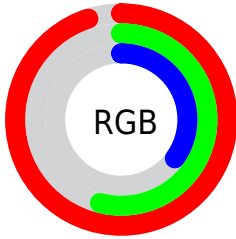
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 243, 158, 90 |
| Decimal | 15960410 |
| CIE Lab | 67.79, 36.36, 42.49 |
| CIE LCh | 68, 55.922, 49.442 |
| Yxy | 37.6842, 0.4782, 0.3773 |
| Android (android.graphics.Color) | 4294150490 (0xFFFF3895A) |
| YUV | 163.3360, -36.1546, 69.8653 |
| Hunter-Lab | 61.3875, 31.4522, 29.0319 |

Details

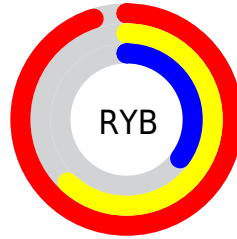
The Yxy color **37.6842, 0.4782, 0.3773** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.1546, 0.2227, 0.2671**, and the grayscale version is **36.9404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8824, 0.4074, 0.3822**, and **16.6092, 0.5247, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **32.9177, 0.5153, 0.3796**, and if you desaturate by 10%, it is **43.3373, 0.4423, 0.3718**.

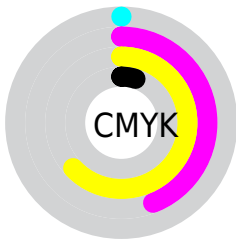
Distribution



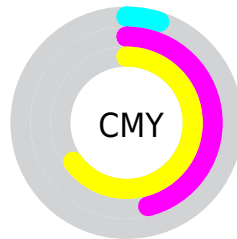
- Red (95%)
- Green (54%)
- Blue (35%)



- Red (95%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (44%)
- Yellow (63%)
- Black (5%)




- Cyan (5%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6842, 0.4782, 0.3773 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 37.6842, 0.4782, 0.3773 by changing the saturation by 10% instead.


 37.6842, 0.4782,
0.3773


 37.6842, 0.4782,
0.3773


336.2633, 0.3936,
0.3592


 25.7377, 0.4988,
0.3792


 71.6238, 0.4476,
0.3725


 16.6275, 0.5243,
0.3800


 94.3858, 0.4360,
0.3702

 9.9693, 0.5564,
0.3781


 121.5216, 0.4262,
0.3680

 5.3786, 0.6010,
0.3727

 153.4157, 0.4178,
0.3659

 2.4711, 0.6497,
0.3503

190.4526, 0.4105,
0.3640

 0.8621, 0.7027,
0.2973

233.0165, 0.4041,

 0.0000, 1.0000,

0.3623

0.0000

281.4920, 0.3985,
0.3607

0.0000, 0.0000,
0.0000

37.6842, 0.4782,
0.3773

37.6842, 0.4782,
0.3773

32.9177, 0.5153,
0.3796

43.3373, 0.4423,
0.3718

28.9836, 0.5507,
0.3777

49.9154, 0.4096,
0.3644

25.8300, 0.5805,
0.3708

57.4615, 0.3808,
0.3561

24.0387, 0.5974,
0.3639

66.0140, 0.3561,
0.3475

75.6091, 0.3351,
0.3391

 86.2813, 0.3174,
0.3312

 97.7279, 0.3054,
0.3289

 97.8003, 0.3054,
0.3290

Harmonies

Analogous

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



37.6842, 0.4541, 0.3174



37.6842, 0.4782, 0.3773



37.6842, 0.4509, 0.4362

Triad

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



37.6842, 0.4782, 0.3773



37.6842, 0.2362, 0.4078



37.6842, 0.2267, 0.2051

Complementary

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



37.6842, 0.4782, 0.3773



48.1546, 0.2227, 0.2671

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.



37.6842, 0.1841, 0.2111



37.6842, 0.4782, 0.3773



37.6842, 0.1874, 0.3166

Square

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



37.6842, 0.4782, 0.3773



37.6842, 0.3096, 0.4741



37.6842, 0.1707, 0.2468



37.6842, 0.2974, 0.2241

Rectangle

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



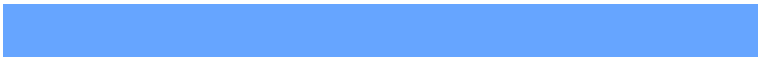
37.6842, 0.4782, 0.3773



37.6842, 0.4117, 0.4679



37.6842, 0.1707, 0.2468



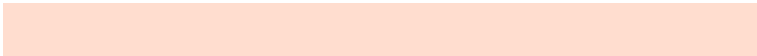
37.6842, 0.2092, 0.2042

Sweetspot

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



37.6862, 0.4782, 0.3773



77.6793, 0.3474, 0.3442



30.4123, 0.3696, 0.2216



15.9880, 0.3537, 0.3466



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.



37.6862, 0.4782, 0.3773



35.1986, 0.5271, 0.3795



67.1001, 0.4195, 0.4506



17.3121, 0.3286, 0.3363



13.3982, 0.5945, 0.3661



1.3519, 0.5701, 0.3855

Inverse Universe

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



48.1546, 0.2227, 0.2671



47.4776, 0.2099, 0.2515



22.2297, 0.1983, 0.1621



17.8491, 0.2980, 0.3216



19.2542, 0.1960, 0.2256



1.8737, 0.2000, 0.2401

Previews

White Background



This preview shows how the Yxy color 37.6842, 0.4782, 0.3773 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 37.6842, 0.4782, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

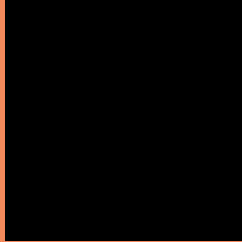
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6842, 0.4782, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 37.6842, 0.4782, 0.3773.



This preview shows how white text looks on a background with the Yxy color 37.6842, 0.4782, 0.3773.

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

37.6842, 0.4782, 0.3773

Protanopia

38.0163, 0.3864, 0.4198

Deuteranopia

37.8221, 0.4261, 0.4182



Tritanopia

37.7189, 0.4310, 0.3197

Trichromacy



Original Color

37.6842, 0.4782, 0.3773

Protanomaly

37.1246, 0.4208, 0.4033

Deuteranomaly

37.4062, 0.4467, 0.4022

Tritanomaly

37.5927, 0.4497, 0.3411

Monochromacy



Original Color

37.6842, 0.4782, 0.3773

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.0952, 0.3696, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6842, 0.4782, 0.3773 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(243, 137, 90)` looks like.

```
.text, #text, p{  
    color:rgb(243, 137, 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(243, 137, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 137, 90) }
```

Border

The CSS property to change the border of an element to Yxy 37.6842, 0.4782, 0.3773 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(243, 137, 90) }
```

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

```
.border{ border-color:rgb(243, 137, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 137, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 137, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 137, 90);  
box-shadow:4px 4px 4px 4px rgb(243, 137,  
90) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.6842, 0.4782, 0.3773$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 137, 90) }
```

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

```
.background{ background-color: rgb(243,  
137, 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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