

Converting Colors

$Y_{xy}(37.3647, 0.4642, 0.3620)$

Have a look what the booklet for
Yxy(37.3647, 0.4642, 0.3620)
contains.

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Color

Yxy(37.2251, 0.4640, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	F28769
RGB	242, 135, 105
RGB Percent	95%, 53%, 41%
CMY	0.0510, 0.4706, 0.5882
CMYK	0.00, 0.44, 0.57, 0.05
HSL	13°, 84%, 68%
HSV	13°, 57%, 95%
XYZ	47.8329, 37.2251, 18.0301
YIQ	163.5730, 73.4020, 13.3540

Conversions

Conversions Part 2

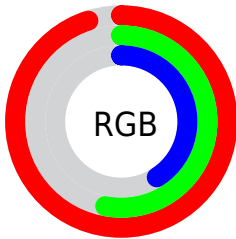
Format	Color
R _Y B	242, 143, 105
Decimal	15894377
CIE Lab	67.45, 38.03, 34.04
CIE LCh	67, 51.043, 41.835
Yxy	37.2251, 0.4640, 0.3611
Android (android.graphics.Color)	4294084457 (0xFFFF28769)
YUV	163.5730, -28.8765, 68.7805
Hunter-Lab	61.0124, 33.1699, 25.1875

Details

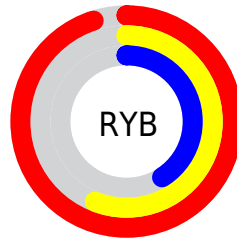
The Yxy color **37.2251, 0.4640, 0.3611** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.5043, 0.2335, 0.2906**, and the grayscale version is **37.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5212, 0.3951, 0.3638**, and **16.3057, 0.5086, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **31.9836, 0.5045, 0.3638**, and if you desaturate by 10%, it is **43.5484, 0.4267, 0.3564**.

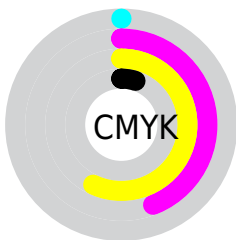
Distribution



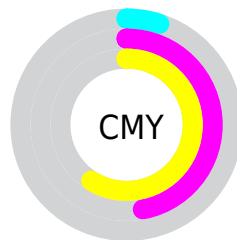
- Red (95%)
- Green (53%)
- Blue (41%)



- Red (95%)
- Yellow (56%)
- Blue (41%)



- Cyan (0%)
- Magenta (44%)
- Yellow (57%)
- Black (5%)





- Cyan (5%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2251, 0.4640, 0.3611 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 37.2251, 0.4640, 0.3611 by changing the saturation by 10% instead.


 37.2251, 0.4640,
0.3611


 37.2251, 0.4640,
0.3611


334.2841, 0.3856,
0.3496

 25.3818, 0.4837,
0.3621


 70.9189, 0.4352,
0.3582


 16.3618, 0.5089,
0.3623


 93.5381, 0.4245,
0.3567

 9.7805, 0.5415,
0.3602


 120.5182, 0.4154,
0.3553

 5.2537, 0.5845,
0.3531

 152.2434, 0.4077,
0.3540

 2.3969, 0.6574,
0.3426

189.0982, 0.4010,
0.3527

 0.8243, 0.7128,
0.2872

231.4670, 0.3952,

 0.0000, 1.0000,

0.3516

0.0000

279.7341, 0.3901,
0.3505

■ 0.0000, 0.0000,
0.0000

■ 37.2251, 0.4640,
0.3611

■ 37.2251, 0.4640,
0.3611

■ 31.9836, 0.5045,
0.3638

■ 43.5484, 0.4267,
0.3564

■ 27.7561, 0.5452,
0.3634

■ 51.0043, 0.3940,
0.3507

■ 24.4759, 0.5816,
0.3592

■ 59.6476, 0.3662,
0.3445

■ 22.0649, 0.6091,
0.3514

■ 69.5276, 0.3429,
0.3384

■ 21.4232, 0.6166,
0.3486

■ 80.6908, 0.3236,
0.3326

■ 93.1813, 0.3076,
0.3272

■ 97.6178, 0.3048,
0.3290

Harmonies

Analogous

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



37.2251, 0.4291, 0.3056



37.2251, 0.4640, 0.3611



37.2251, 0.4511, 0.4168

Triad

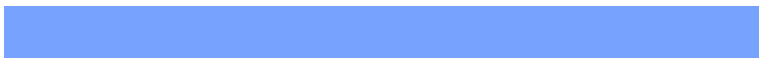
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.2251, 0.4640, 0.3611



37.2251, 0.2584, 0.4199



37.2251, 0.2205, 0.2128

Complementary

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



37.2251, 0.4640, 0.3611



56.5043, 0.2335, 0.2906

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.



37.2251, 0.1872, 0.2256



37.2251, 0.4640, 0.3611



37.2251, 0.2056, 0.3389

Square

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



37.2251, 0.4640, 0.3611



37.2251, 0.3298, 0.4675



37.2251, 0.1818, 0.2675



37.2251, 0.2803, 0.2249

Rectangle

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



37.2251, 0.4640, 0.3611



37.2251, 0.4204, 0.4484



37.2251, 0.1818, 0.2675



37.2251, 0.2063, 0.2141

Sweetspot

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



37.2270, 0.4640, 0.3611



77.7839, 0.3439, 0.3387



33.7519, 0.3491, 0.2198



16.1473, 0.3482, 0.3399



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.



37.2270, 0.4640, 0.3611



35.1926, 0.5110, 0.3639



62.6983, 0.4162, 0.4308



16.3199, 0.3288, 0.3342



11.6723, 0.6140, 0.3507



1.1135, 0.5892, 0.3704

Inverse Universe

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



56.5043, 0.2335, 0.2906



58.6376, 0.2222, 0.2813



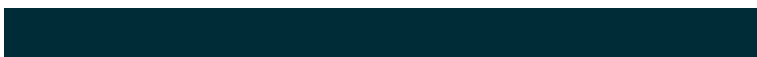
29.3074, 0.2133, 0.1966



17.3073, 0.2981, 0.3237



23.2084, 0.2047, 0.2569



2.0742, 0.2076, 0.2675

Previews

White Background



This preview shows how the Yxy color 37.2251, 0.4640, 0.3611 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 37.2251, 0.4640, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

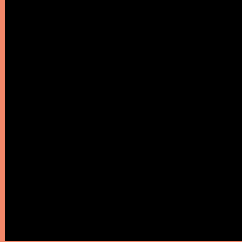
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2251, 0.4640, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 37.2251, 0.4640, 0.3611.



This preview shows how white text looks on a background with the Yxy color 37.2251, 0.4640, 0.3611.

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

37.2251, 0.4640, 0.3611

Protanopia

37.5417, 0.3679, 0.3969

Deuteranopia

37.1956, 0.4097, 0.4015



Tritanopia

37.0918, 0.4296, 0.3185

Trichromacy



Original Color

37.2251, 0.4640, 0.3611

Protanomaly

36.7210, 0.4022, 0.3824

Deuteranomaly

36.9013, 0.4307, 0.3860

Tritanomaly

37.0895, 0.4427, 0.3348

Monochromacy



Original Color

37.2251, 0.4640, 0.3611

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.9721, 0.3628, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2251, 0.4640, 0.3611 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(242, 135, 105)` looks like.

```
.text, #text, p{  
    color:rgb(242, 135, 105)  
}
```

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(242, 135, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 135, 105) }
```

Border

The CSS property to change the border of an element to Yxy 37.2251, 0.4640, 0.3611 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(242, 135, 105) }
```

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

```
.border{ border-color:rgb(242, 135, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 135, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 135, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 135, 105);  
box-shadow:4px 4px 4px 4px rgb(242, 135,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2251, 0.4640, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 135, 105) }
```

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

```
.background{ background-color: rgb(242,  
135, 105) }
```

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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