

Converting Colors

$Y_{xy}(37.3352, 0.4692, 0.3731)$

Have a look what the booklet for
Yxy(37.3352, 0.4692, 0.3731)
contains.

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Color

Yxy(37.2611, 0.4698, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	F08960
RGB	240, 137, 96
RGB Percent	94%, 54%, 38%
CMY	0.0588, 0.4627, 0.6236
CMYK	0.00, 0.43, 0.60, 0.06
HSL	17°, 83%, 66%
HSV	17°, 60%, 94%
XYZ	46.9940, 37.2611, 15.7747
YIQ	163.1230, 74.5490, 9.0850

Conversions

Conversions Part 2

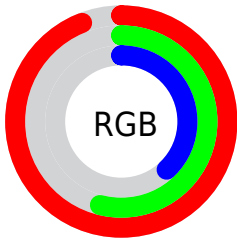
Format	Color
RYB	240, 153, 96
Decimal	15763808
CIELab	67.47, 35.58, 38.88
CIELCh	67, 52.697, 47.538
Yxy	37.2611, 0.4698, 0.3725
Android (android.graphics.Color)	4293953888 (0xFFFF08960)
YUV	163.1230, -33.0916, 67.4211
Hunter-Lab	61.0419, 30.5976, 27.4073

Details

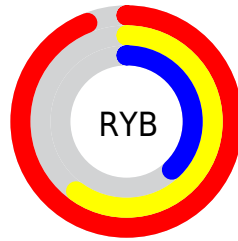
The Yxy color **37.2611, 0.4698, 0.3725** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.6159, 0.2270, 0.2750**, and the grayscale version is **36.8199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6282, 0.4030, 0.3751**, and **16.2941, 0.5152, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **32.3885, 0.5078, 0.3755**, and if you desaturate by 10%, it is **43.0487, 0.4338, 0.3669**.

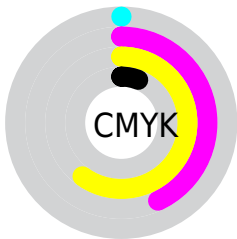
Distribution



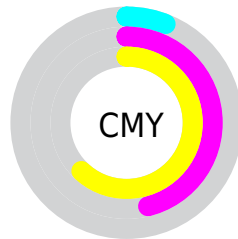
- Red (94%)
- Green (54%)
- Blue (38%)



- Red (94%)
- Yellow (60%)
- Blue (38%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (6%)





- Cyan (6%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2611, 0.4698, 0.3725 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 37.2611, 0.4698, 0.3725 by changing the saturation by 10% instead.


 37.2611, 0.4698,
0.3725

 37.2611, 0.4698,
0.3725


334.4396, 0.3889,
0.3559

 25.4097, 0.4898,
0.3744


 70.9742, 0.4403,
0.3680


 16.3826, 0.5150,
0.3755


 93.6047, 0.4292,
0.3658

 9.7953, 0.5470,
0.3742


 120.5970, 0.4199,
0.3638

 5.2634, 0.5900,
0.3685

 152.3355, 0.4119,
0.3619

 2.4026, 0.6480,
0.3520

189.2046, 0.4049,
0.3602

 0.8272, 0.7015,
0.2985

231.5887, 0.3989,

 0.0000, 1.0000,

0.3587

0.0000

279.8722, 0.3936,
0.3572

0.0000, 0.0000,
0.0000

37.2611, 0.4698,
0.3725

37.2611, 0.4698,
0.3725

32.3885, 0.5078,
0.3755

43.0487, 0.4338,
0.3669

28.3759, 0.5450,
0.3746

49.7909, 0.4016,
0.3596


25.1704, 0.5775,
0.3690


57.5318, 0.3736,
0.3518

22.7059, 0.6025,
0.3598

66.3108, 0.3497,
0.3438

76.1653, 0.3296,
0.3362

 87.1306, 0.3127,
0.3290

 97.2672, 0.3035,
0.3290

Harmonies

Analogous

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



37.2611, 0.4433, 0.3151



37.2611, 0.4698, 0.3725



37.2611, 0.4474, 0.4288

Triad

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



37.2611, 0.4698, 0.3725



37.2611, 0.2443, 0.4084



37.2611, 0.2275, 0.2103

Complementary

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



37.2611, 0.4698, 0.3725



49.6159, 0.2270, 0.2750

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.



37.2611, 0.1882, 0.2180



37.2611, 0.4698, 0.3725



37.2611, 0.1955, 0.3230

Square

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



37.2611, 0.4698, 0.3725



37.2611, 0.3153, 0.4675



37.2611, 0.1771, 0.2547



37.2611, 0.2935, 0.2270

Rectangle

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



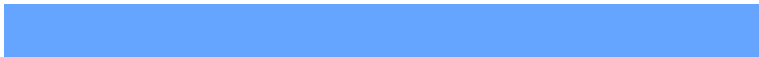
37.2611, 0.4698, 0.3725



37.2611, 0.4117, 0.4591



37.2611, 0.1771, 0.2547



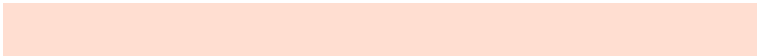
37.2611, 0.2113, 0.2099

Sweetspot

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



37.2630, 0.4698, 0.3725



78.2037, 0.3455, 0.3423



31.0208, 0.3631, 0.2232



16.0674, 0.3518, 0.3446



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.



37.2630, 0.4698, 0.3725



36.0598, 0.5163, 0.3756



64.8754, 0.4163, 0.4442



16.4920, 0.3286, 0.3358



12.6237, 0.5997, 0.3620



1.2136, 0.5740, 0.3824

Inverse Universe

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



49.6159, 0.2270, 0.2750



51.1460, 0.2148, 0.2618



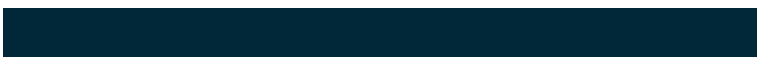
24.0028, 0.2044, 0.1742



17.1237, 0.2981, 0.3221



19.7578, 0.1982, 0.2336



1.8122, 0.2021, 0.2477

Previews

White Background



This preview shows how the Yxy color 37.2611, 0.4698, 0.3725 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 37.2611, 0.4698, 0.3725 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 37.2611, 0.4698, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 37.2611, 0.4698, 0.3725.



This preview shows how white text looks on a background with the Yxy color 37.2611, 0.4698, 0.3725.

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

37.2611, 0.4698, 0.3725

Protanopia

37.5346, 0.3798, 0.4114

Deuteranopia

37.3042, 0.4198, 0.4113



Tritanopia

37.2104, 0.4269, 0.3184

Trichromacy



Original Color

37.2611, 0.4698, 0.3725

Protanomaly

36.8195, 0.4122, 0.3972

Deuteranomaly

37.0501, 0.4384, 0.3971

Tritanomaly

37.1330, 0.4434, 0.3381

Monochromacy



Original Color

37.2611, 0.4698, 0.3725

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.0516, 0.3655, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2611, 0.4698, 0.3725 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(240, 137, 96)` looks like.

```
.text, #text, p{  
    color:rgb(240, 137, 96)  
}
```

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(240, 137, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 137, 96) }
```

Border

The CSS property to change the border of an element to Yxy 37.2611, 0.4698, 0.3725 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(240, 137, 96) }
```

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

```
.border{ border-color:rgb(240, 137, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 137, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 137, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 137, 96);  
box-shadow:4px 4px 4px 4px rgb(240, 137,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2611, 0.4698, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 137, 96) }
```

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

```
.background{ background-color: rgb(240,  
137, 96) }
```

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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