

Converting Colors

$Y_{xy}(37.2732, 0.4795, 0.3615)$

Have a look what the booklet for
Yxy(37.2732, 0.4795, 0.3615)
contains.

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Color

Yxy(37.2732, 0.4795, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	F98363
RGB	249, 131, 99
RGB Percent	98%, 51%, 39%
CMY	0.0235, 0.4863, 0.6117
CMYK	0.00, 0.47, 0.60, 0.02
HSL	13°, 93%, 68%
HSV	13°, 60%, 98%
XYZ	49.4398, 37.2732, 16.3940
YIQ	162.6340, 80.6000, 15.0640

Conversions

Conversions Part 2

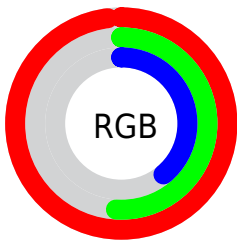
Format	Color
R _Y B	249, 140, 99
Decimal	16352099
CIE Lab	67.48, 42.28, 37.53
CIE LCh	67, 56.537, 41.597
Yxy	37.2732, 0.4795, 0.3615
Android (android.graphics.Color)	4294542179 (0xFFFF98363)
YUV	162.6340, -31.3716, 75.7430
Hunter-Lab	61.0518, 37.7090, 26.8153

Details

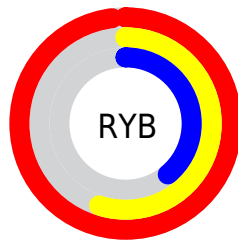
The Yxy color **37.2732, 0.4795, 0.3615** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.1319, 0.2299, 0.2888**, and the grayscale version is **36.5672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5798, 0.4028, 0.3669**, and **16.3958, 0.5271, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **32.0959, 0.5208, 0.3631**, and if you desaturate by 10%, it is **43.5961, 0.4405, 0.3576**.

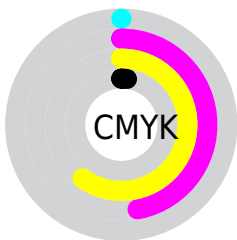
Distribution



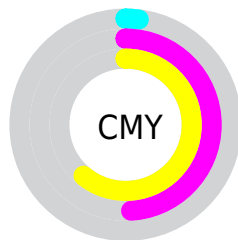
- Red (98%)
- Green (51%)
- Blue (39%)



- Red (98%)
- Yellow (55%)
- Blue (39%)



- Cyan (0%)
- Magenta (47%)
- Yellow (60%)
- Black (2%)





- Cyan (2%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2732, 0.4795, 0.3615 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 37.2732, 0.4795, 0.3615 by changing the saturation by 10% instead.


 37.2732, 0.4795,
0.3615


 37.2732, 0.4795,
0.3615


334.4918, 0.3934,
0.3510

 25.4191, 0.5008,
0.3618


 70.9928, 0.4481,
0.3593

 16.3896, 0.5277,
0.3608


 93.6270, 0.4363,
0.3580

 9.8002, 0.5621,
0.3569


 120.6234, 0.4263,
0.3566

 5.2667, 0.6075,
0.3472

 152.3664, 0.4178,
0.3554

 2.4046, 0.6726,
0.3274

189.2403, 0.4105,
0.3542

 0.8282, 0.7306,
0.2694

231.6296, 0.4041,

 0.0000, 1.0000,

0.3530

0.0000

279.9186, 0.3984,
0.3520

0.0000, 0.0000,
0.0000

37.2732, 0.4795,
0.3615

37.2732, 0.4795,
0.3615

32.0959, 0.5208,
0.3631

43.5961, 0.4405,
0.3576

27.9882, 0.5608,
0.3613

51.1228, 0.4058,
0.3523

24.8734, 0.5944,
0.3557

59.9145, 0.3760,
0.3463

22.6984, 0.6179,
0.3476

70.0262, 0.3510,
0.3403

81.5100, 0.3303,
0.3345

94.4148, 0.3131,
0.3291

98.8826, 0.3090,
0.3290

Harmonies

Analogous

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



37.2732, 0.4411, 0.3020



37.2732, 0.4795, 0.3615



37.2732, 0.4642, 0.4223

Triad

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



37.2732, 0.4795, 0.3615



37.2732, 0.2527, 0.4315



37.2732, 0.2114, 0.2026

Complementary

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



37.2732, 0.4795, 0.3615



59.1319, 0.2299, 0.2888

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.



37.2732, 0.1761, 0.2159



37.2732, 0.4795, 0.3615



37.2732, 0.1956, 0.3397

Square

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



37.2732, 0.4795, 0.3615



37.2732, 0.3305, 0.4839



37.2732, 0.1703, 0.2607



37.2732, 0.2760, 0.2156

Rectangle

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



37.2732, 0.4795, 0.3615



37.2732, 0.4299, 0.4583



37.2732, 0.1703, 0.2607



37.2732, 0.1964, 0.2039

Sweetspot

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



37.2752, 0.4795, 0.3615



76.4733, 0.3461, 0.3390



34.1825, 0.3495, 0.2121



15.6514, 0.3526, 0.3407



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.



37.2752, 0.4795, 0.3615



32.9919, 0.5284, 0.3630



64.2353, 0.4250, 0.4339



17.8250, 0.3289, 0.3341



12.3144, 0.6154, 0.3496



1.2876, 0.5934, 0.3671

Inverse Universe

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



59.1319, 0.2299, 0.2888



57.6075, 0.2192, 0.2794



29.4425, 0.2075, 0.1896



18.9433, 0.2980, 0.3238



24.9849, 0.2052, 0.2588



2.4652, 0.2078, 0.2681

Previews

White Background



This preview shows how the Yxy color 37.2732, 0.4795, 0.3615 looks on a white background.

Color Contrast Check

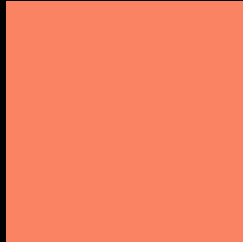
Large Text (above 18pt) WCAG AA × Fail

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 37.2732, 0.4795, 0.3615 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 37.2732, 0.4795, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 37.2732, 0.4795, 0.3615.



This preview shows how white text looks on a background with the Yxy color 37.2732, 0.4795, 0.3615.

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

37.2732, 0.4795, 0.3615

Protanopia

37.5451, 0.3734, 0.4036

Deuteranopia

37.3396, 0.4181, 0.4090



Tritanopia

37.1802, 0.4443, 0.3200

Trichromacy



Original Color

37.2732, 0.4795, 0.3615

Protanomaly

36.6814, 0.4119, 0.3879

Deuteranomaly

36.9298, 0.4402, 0.3906

Tritanomaly

37.1675, 0.4574, 0.3356

Monochromacy



Original Color

37.2732, 0.4795, 0.3615

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.4960, 0.3687, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2732, 0.4795, 0.3615 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(249, 131, 99)` looks like.

```
.text, #text, p{  
    color:rgb(249, 131, 99)  
}
```

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(249, 131, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 131, 99) }
```

Border

The CSS property to change the border of an element to Yxy 37.2732, 0.4795, 0.3615 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(249, 131, 99) }
```

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

```
.border{ border-color:rgb(249, 131, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 131, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 131, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 131, 99);  
box-shadow:4px 4px 4px 4px rgb(249, 131,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2732, 0.4795, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 131, 99) }
```

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

```
.background{ background-color: rgb(249,  
131, 99) }
```

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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