

Converting Colors

$Y_{xy}(49.4658, 0.5020, 0.3665)$

Have a look what the booklet for
Yxy(49.4658, 0.5020, 0.3665)
contains.

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Color

Yxy(42.1074, 0.4745, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	FF9063
RGB	255, 144, 99
RGB Percent	100%, 56%, 39%
CMY	0.0000, 0.4353, 0.6119
CMYK	0.00, 0.44, 0.61, 0.00
HSL	17°, 100%, 69%
HSV	17°, 61%, 100%
XYZ	53.4652, 42.1074, 17.1044
YIQ	172.0590, 80.6010, 9.5370

Conversions

Conversions Part 2

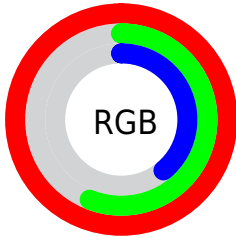
Format	Color
R _Y B	255, 162, 99
Decimal	16748643
CIE Lab	70.94, 37.98, 41.99
CIE LCh	71, 56.620, 47.870
Yxy	42.1074, 0.4745, 0.3737
Android (android.graphics.Color)	4294938723 (0xFFFF9063)
YUV	172.0590, -36.0181, 72.7393
Hunter-Lab	64.8902, 33.5143, 29.7949

Details

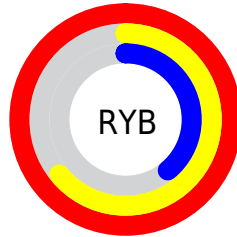
The Yxy color **42.1074, 0.4745, 0.3737** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.9421, 0.2253, 0.2727**, and the grayscale version is **41.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3412, 0.3962, 0.3790**, and **19.2308, 0.5170, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **36.6352, 0.5125, 0.3763**, and if you desaturate by 10%, it is **48.6191, 0.4382, 0.3682**.

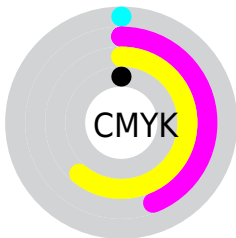
Distribution



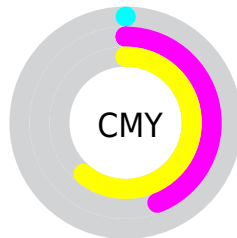
- Red (100%)
- Green (56%)
- Blue (39%)



- Red (100%)
- Yellow (64%)
- Blue (39%)



- Cyan (0%)
- Magenta (44%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1074, 0.4745, 0.3737 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 42.1074, 0.4745, 0.3737 by changing the saturation by 10% instead.


 42.1074, 0.4745,
0.3737

 42.1074, 0.4745,
0.3737


354.9280, 0.3930,
0.3574

 29.1854, 0.4940,
0.3754


 78.3621, 0.4453,
0.3694


 19.2211, 0.5182,
0.3763


 102.4637, 0.4342,
0.3673

 11.8302, 0.5486,
0.3749


 131.0605, 0.4247,
0.3653

 6.6281, 0.5871,
0.3687

 164.5370, 0.4166,
0.3635

 3.2306, 0.6436,
0.3564

203.2776, 0.4095,
0.3618

 1.2533, 0.6896,
0.3104

247.6667, 0.4033,

 0.1046, 0.9086,

0.3602

0.0914

298.0887, 0.3979,
0.3587

0.0000, 0.0000,
0.0000

42.1074, 0.4745,
0.3737

42.1074, 0.4745,
0.3737

36.6352, 0.5125,
0.3763

48.6191, 0.4382,
0.3682

32.1412, 0.5493,
0.3748

56.2184, 0.4054,
0.3611

28.5632, 0.5808,
0.3686

64.9554, 0.3768,
0.3531

26.1059, 0.6022,
0.3600

74.8756, 0.3524,
0.3450

86.0221, 0.3318,
0.3372

98.4354, 0.3146,
0.3298

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.1074, 0.4480, 0.3150



42.1074, 0.4745, 0.3737



42.1074, 0.4505, 0.4316

Triad

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



42.1074, 0.4745, 0.3737



42.1074, 0.2414, 0.4102



42.1074, 0.2257, 0.2073

Complementary

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



42.1074, 0.4745, 0.3737



55.9421, 0.2253, 0.2727

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.



42.1074, 0.1852, 0.2147



42.1074, 0.4745, 0.3737



42.1074, 0.1919, 0.3216

Square

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



42.1074, 0.4745, 0.3737



42.1074, 0.3141, 0.4720



42.1074, 0.1736, 0.2516



42.1074, 0.2937, 0.2247

Rectangle

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



42.1074, 0.4745, 0.3737



42.1074, 0.4134, 0.4630



42.1074, 0.1736, 0.2516



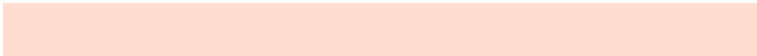
42.1074, 0.2090, 0.2068

Sweetspot

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



42.1088, 0.4745, 0.3737



78.2972, 0.3455, 0.3425



34.8693, 0.3647, 0.2214



16.0899, 0.3518, 0.3448



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.



42.1088, 0.4745, 0.3737



35.7514, 0.5194, 0.3763



73.9745, 0.4186, 0.4462



18.8411, 0.3287, 0.3359



13.8611, 0.5993, 0.3624



1.5274, 0.5772, 0.3799

Inverse Universe

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



55.9421, 0.2253, 0.2727



50.3758, 0.2137, 0.2597



26.5830, 0.2020, 0.1702



19.5434, 0.2980, 0.3220



21.3925, 0.1978, 0.2319



2.2707, 0.2012, 0.2443

Previews

White Background



This preview shows how the Yxy color 42.1074, 0.4745, 0.3737 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 42.1074, 0.4745, 0.3737 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 42.1074, 0.4745, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 42.1074, 0.4745, 0.3737.



This preview shows how white text looks on a background with the Yxy color 42.1074, 0.4745, 0.3737.

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

42.1074, 0.4745, 0.3737

Protanopia

42.3450, 0.3827, 0.4136

Deuteranopia

42.2267, 0.4234, 0.4148



Tritanopia

42.1861, 0.4250, 0.3200

Trichromacy



Original Color

42.1074, 0.4745, 0.3737

Protanomaly

41.5311, 0.4163, 0.3981

Deuteranomaly

41.7922, 0.4420, 0.3987

Tritanomaly

41.9484, 0.4443, 0.3397

Monochromacy



Original Color

42.1074, 0.4745, 0.3737

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.4416, 0.3680, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1074, 0.4745, 0.3737 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, 144, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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(255, 144, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 99) }
```

Border

The CSS property to change the border of an element to Yxy 42.1074, 0.4745, 0.3737 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, 144, 99) }
```

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

```
.border{ border-color:rgb(255, 144, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1074, 0.4745, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 99) }
```

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

```
.background{ background-color: rgb(255,  
144, 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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