

Converting Colors

$Y_{xy}(43.7137, 0.4541, 0.3606)$

Have a look what the booklet for
Yxy(43.7137, 0.4541, 0.3606)
contains.

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Color

Yxy(43.7242, 0.4544, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FF9475
RGB	255, 148, 117
RGB Percent	100%, 58%, 46%
CMY	0.0000, 0.4195, 0.5413
CMYK	0.00, 0.42, 0.54, 0.00
HSL	13°, 100%, 73%
HSV	13°, 54%, 100%
XYZ	55.0368, 43.7242, 22.3587
YIQ	176.4590, 73.7230, 13.0430

Conversions

Conversions Part 2

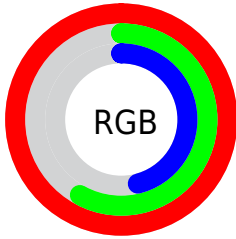
Format	Color
R_{YB}	255, 157, 117
Decimal	16749685
CIE _{Lab}	72.04, 37.25, 33.81
CIE _{LCh}	72, 50.303, 42.225
Yxy	43.7242, 0.4544, 0.3610
Android (android.graphics.Color)	4294939765 (0xFFFF9475)
YUV	176.4590, -29.3133, 68.8805
Hunter-Lab	66.1243, 32.8522, 26.2392

Details

The Yxy color **43.7242, 0.4544, 0.3610** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.2806, 0.2359, 0.2914**, and the grayscale version is **43.7962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8364, 0.3805, 0.3645**, and **20.2524, 0.4936, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **37.5258, 0.4942, 0.3644**, and if you desaturate by 10%, it is **51.1489, 0.4182, 0.3558**.

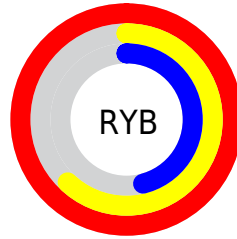
Distribution



Red (100%)

Green (58%)

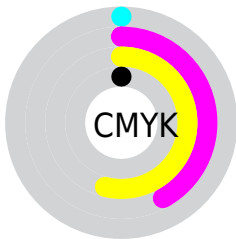
Blue (46%)



Red (100%)

Yellow (62%)

Blue (46%)

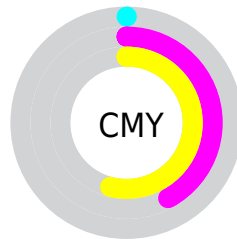


Cyan (0%)

Magenta (42%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7242, 0.4544, 0.3610 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 43.7242, 0.4544, 0.3610 by changing the saturation by 10% instead.


 43.7242, 0.4544,
0.3610

 43.7242, 0.4544,
0.3610


361.5816, 0.3827,
0.3493

 30.4537, 0.4720,
0.3624


 80.8026, 0.4285,
0.3579

 20.1832, 0.4942,
0.3632


 105.3793, 0.4187,
0.3563

 12.5283, 0.5227,
0.3626


 134.4935, 0.4104,
0.3549

 7.1046, 0.5602,
0.3588

168.5297, 0.4032,
0.3536

 3.5276, 0.6185,
0.3521

207.8722, 0.3971,
0.3524

 1.4130, 0.6803,
0.3197

252.9054, 0.3917,

 0.2263, 0.8365,

0.3513

0.1635

304.0138, 0.3869,
0.3502

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7242, 0.4544,
0.3610

■ 43.7242, 0.4544,
0.3610

■ 37.5258, 0.4942,
0.3644

■ 51.1489, 0.4182,
0.3558

■ 32.4797, 0.5351,
0.3649

■ 59.8552, 0.3867,
0.3498

■ 28.5137, 0.5729,
0.3616

■ 69.9031, 0.3601,
0.3434

■ 25.5441, 0.6027,
0.3544

■ 81.3467, 0.3378,
0.3372

■ 24.2198, 0.6159,
0.3492

■ 94.2371, 0.3194,
0.3313

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



43.7242, 0.4221, 0.3082



43.7242, 0.4544, 0.3610



43.7242, 0.4424, 0.4133

Triad

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



43.7242, 0.4544, 0.3610



43.7242, 0.2615, 0.4124



43.7242, 0.2265, 0.2193

Complementary

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



43.7242, 0.4544, 0.3610



64.2806, 0.2359, 0.2914

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.



43.7242, 0.1944, 0.2315



43.7242, 0.4544, 0.3610



43.7242, 0.2117, 0.3377

Square

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



43.7242, 0.4544, 0.3610



43.7242, 0.3286, 0.4574



43.7242, 0.1891, 0.2712



43.7242, 0.2835, 0.2309

Rectangle

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



43.7242, 0.4544, 0.3610



43.7242, 0.4138, 0.4421



43.7242, 0.1891, 0.2712



43.7242, 0.2129, 0.2206

Sweetspot

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



43.7264, 0.4544, 0.3610



79.1025, 0.3417, 0.3383



39.4146, 0.3471, 0.2236



16.4138, 0.3461, 0.3396



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.



43.7264, 0.4544, 0.3610



37.0439, 0.4978, 0.3645



71.5943, 0.4116, 0.4272



18.6496, 0.3289, 0.3344



12.8379, 0.6133, 0.3513



1.4049, 0.5921, 0.3681

Inverse Universe

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



64.2806, 0.2359, 0.2914



59.3523, 0.2246, 0.2825



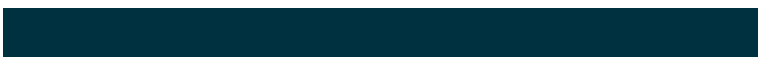
34.8014, 0.2175, 0.2030



19.7475, 0.2980, 0.3235



25.0249, 0.2041, 0.2546



2.5984, 0.2067, 0.2641

Previews

White Background



This preview shows how the Yxy color 43.7242, 0.4544, 0.3610 looks on a white background.

Color Contrast Check

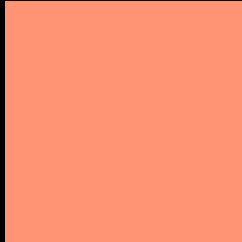
Large Text (above 18pt) WCAG AA × Fail

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 43.7242, 0.4544, 0.3610 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 43.7242, 0.4544, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 43.7242, 0.4544, 0.3610.



This preview shows how white text looks on a background with the Yxy color 43.7242, 0.4544, 0.3610.

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

43.7242, 0.4544, 0.3610

Protanopia

43.9764, 0.3654, 0.3927

Deuteranopia

43.7143, 0.4054, 0.3973



Tritanopia

43.8439, 0.4173, 0.3199

Trichromacy



Original Color

43.7242, 0.4544, 0.3610

Protanomaly

43.0492, 0.3972, 0.3794

Deuteranomaly

43.1986, 0.4239, 0.3833

Tritanomaly

43.7409, 0.4308, 0.3346

Monochromacy



Original Color

43.7242, 0.4544, 0.3610

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.6181, 0.3601, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7242, 0.4544, 0.3610 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, 148, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 117)  
}
```

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, 148, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 117) }
```

Border

The CSS property to change the border of an element to Yxy 43.7242, 0.4544, 0.3610 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, 148, 117) }
```

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

```
.border{ border-color:rgb(255, 148, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
117) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 43.7242, 0.4544, 0.3610$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 117) }
```

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

```
.background{ background-color: rgb(255,  
148, 117) }
```

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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