

Converting Colors

$Y_{xy}(43.6590, 0.4578, 0.3670)$

Have a look what the booklet for
Yxy(43.6590, 0.4578, 0.3670)
contains.

Yxy(43.7356, 0.4577, 0.3670)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.7356, 0.4577, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	FE9570
RGB	254, 149, 112
RGB Percent	100%, 58%, 44%
CMY	0.0039, 0.4157, 0.5609
CMYK	0.00, 0.41, 0.56, 0.00
HSL	16°, 99%, 72%
HSV	16°, 56%, 100%
XYZ	54.5444, 43.7356, 20.8906
YIQ	176.1770, 74.4570, 10.7530

Conversions

Conversions Part 2

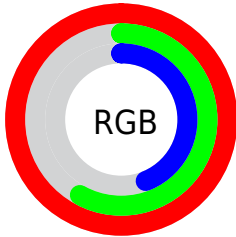
Format	Color
R _Y B	254, 162, 112
Decimal	16684400
CIE Lab	72.05, 35.97, 36.46
CIE LCh	72, 51.218, 45.387
Yxy	43.7356, 0.4577, 0.3670
Android (android.graphics.Color)	4294874480 (0xFFFE9570)
YUV	176.1770, -31.6393, 68.2508
Hunter-Lab	66.1329, 31.4887, 27.5640

Details

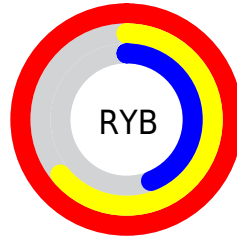
The Yxy color **43.7356, 0.4577, 0.3670** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.2113, 0.2325, 0.2835**, and the grayscale version is **43.6532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1261, 0.3840, 0.3707**, and **20.2457, 0.4976, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **37.7788, 0.4964, 0.3707**, and if you desaturate by 10%, it is **50.8144, 0.4221, 0.3612**.

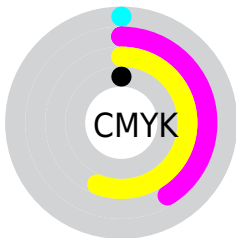
Distribution



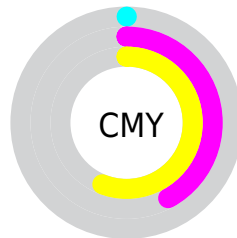
- Red (100%)
- Green (58%)
- Blue (44%)



- Red (100%)
- Yellow (64%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7356, 0.4577, 0.3670 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 43.7356, 0.4577, 0.3670 by changing the saturation by 10% instead.


 43.7356, 0.4577,
0.3670


 43.7356, 0.4577,
0.3670


361.6282, 0.3846,
0.3527


 30.4627, 0.4755,
0.3689


 80.8197, 0.4313,
0.3630

 20.1901, 0.4978,
0.3702


 105.3998, 0.4213,
0.3612

 12.5333, 0.5263,
0.3701


 134.5176, 0.4129,
0.3594

 7.1080, 0.5633,
0.3666


 168.5577, 0.4056,
0.3578

 3.5297, 0.6257,
0.3631

207.9044, 0.3993,
0.3564

 1.4141, 0.6749,
0.3251

252.9422, 0.3938,

 0.2271, 0.8314,

0.3550

0.1686

304.0553, 0.3889,
0.3538

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

43.7356, 0.4577,
0.3670

43.7356, 0.4577,
0.3670

37.7788, 0.4964,
0.3707

50.8144, 0.4221,
0.3612

32.8777, 0.5355,
0.3710

59.0633, 0.3907,
0.3543

28.9687, 0.5712,
0.3671

68.5359, 0.3639,
0.3469

25.9774, 0.5993,
0.3589

79.2802, 0.3413,
0.3397

■ 24.9932, 0.6085,
0.3550

■ 91.3416, 0.3224,
0.3328

99.8108, 0.3121,
0.3290

Harmonies

Analogous

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



43.7356, 0.4296, 0.3131



43.7356, 0.4577, 0.3670



43.7356, 0.4409, 0.4195

Triad

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



43.7356, 0.4577, 0.3670



43.7356, 0.2541, 0.4068



43.7356, 0.2301, 0.2178

Complementary

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



43.7356, 0.4577, 0.3670



60.2113, 0.2325, 0.2835

Split Complementary

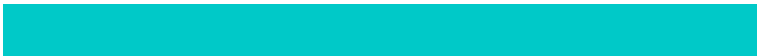
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.7356, 0.1948, 0.2274



43.7356, 0.4577, 0.3670



43.7356, 0.2062, 0.3296

Square

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



43.7356, 0.4577, 0.3670



43.7356, 0.3212, 0.4575



43.7356, 0.1864, 0.2644



43.7356, 0.2902, 0.2319

Rectangle

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



43.7356, 0.4577, 0.3670



43.7356, 0.4095, 0.4477



43.7356, 0.1864, 0.2644



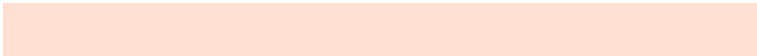
43.7356, 0.2154, 0.2182

Sweetspot

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



43.7378, 0.4577, 0.3670



78.7456, 0.3436, 0.3405



37.7431, 0.3536, 0.2247



16.3722, 0.3479, 0.3419



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.



43.7378, 0.4577, 0.3670



37.5223, 0.5007, 0.3709



72.6404, 0.4123, 0.4341



18.7569, 0.3288, 0.3353



13.3782, 0.6057, 0.3572



1.4709, 0.5839, 0.3746

Inverse Universe

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



60.2113, 0.2325, 0.2835



55.4307, 0.2208, 0.2727



31.6184, 0.2130, 0.1920



19.6327, 0.2980, 0.3227



22.9370, 0.2005, 0.2419



2.4107, 0.2036, 0.2530

Previews

White Background



This preview shows how the Yxy color 43.7356, 0.4577, 0.3670 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 43.7356, 0.4577, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

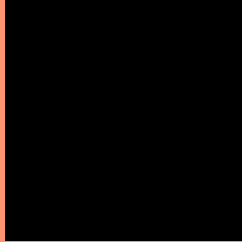
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7356, 0.4577, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 43.7356, 0.4577, 0.3670.



This preview shows how white text looks on a background with the Yxy color 43.7356, 0.4577, 0.3670.

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

43.7356, 0.4577, 0.3670

Protanopia

43.9507, 0.3714, 0.4003

Deuteranopia

43.7548, 0.4107, 0.4027



Tritanopia

43.8774, 0.4162, 0.3188

Trichromacy



Original Color

43.7356, 0.4577, 0.3670

Protanomaly

43.2655, 0.4022, 0.3877

Deuteranomaly

43.6028, 0.4287, 0.3895

Tritanomaly

43.6818, 0.4330, 0.3366

Monochromacy



Original Color

43.7356, 0.4577, 0.3670

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.4097, 0.3610, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7356, 0.4577, 0.3670 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(254, 149, 112)` looks like.

```
.text, #text, p{  
    color:rgb(254, 149, 112)  
}
```

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(254, 149, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 149, 112) }
```

Border

The CSS property to change the border of an element to Yxy 43.7356, 0.4577, 0.3670 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(254, 149, 112) }
```

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

```
.border{ border-color:rgb(254, 149, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 149, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 149, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 149, 112);  
box-shadow:4px 4px 4px 4px rgb(254, 149,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7356, 0.4577, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 149, 112) }
```

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

```
.background{ background-color: rgb(254,  
149, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor