

Converting Colors

$Y_{xy}(84.1832, 0.5089, 0.3331)$

Have a look what the booklet for
Yxy(84.1832, 0.5089, 0.3331)
contains.

Yxy(48.7347, 0.4107, 0.3356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.7347, 0.4107, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	FFA09A
RGB	255, 160, 154
RGB Percent	100%, 63%, 60%
CMY	0.0001, 0.3725, 0.3960
CMYK	0.00, 0.37, 0.40, 0.00
HSL	4°, 100%, 80%
HSV	4°, 40%, 100%
XYZ	59.6405, 48.7347, 36.8415
YIQ	187.7210, 58.5460, 18.2740

Conversions

Conversions Part 2

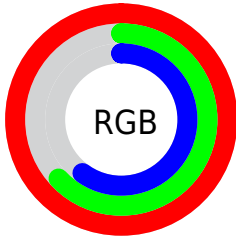
Format	Color
R _Y B	255, 160, 154
Decimal	16752794
CIE Lab	75.29, 34.59, 18.02
CIE LCh	75, 39.000, 27.526
Yxy	48.7347, 0.4107, 0.3356
Android (android.graphics.Color)	4294942874 (0xFFFFA09A)
YUV	187.7210, -16.6245, 59.0037
Hunter-Lab	69.8102, 30.3287, 17.5776

Details

The Yxy color **48.7347, 0.4107, 0.3356** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.8341, 0.2568, 0.3221**, and the grayscale version is **50.1962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9258, 0.3474, 0.3372**, and **23.2304, 0.4390, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **40.4460, 0.4498, 0.3371**, and if you desaturate by 10%, it is **58.8126, 0.3779, 0.3339**.

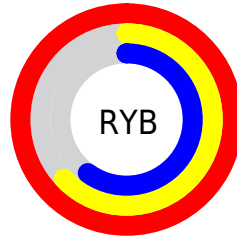
Distribution



Red (100%)

Green (63%)

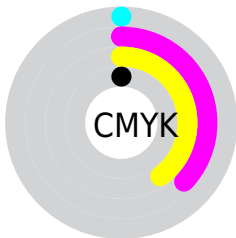
Blue (60%)



Red (100%)

Yellow (63%)

Blue (60%)

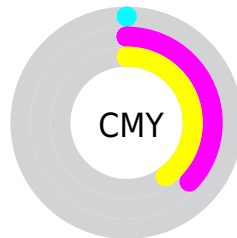


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (37%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7347, 0.4107, 0.3356 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 48.7347, 0.4107, 0.3356 by changing the saturation by 10% instead.


 48.7347, 0.4107,
0.3356


 48.7347, 0.4107,
0.3356

381.6970, 0.3616,
0.3341

 34.4091, 0.4229,
0.3354


 88.2973, 0.3929,
0.3354

 23.2080, 0.4384,
0.3349


 114.3031, 0.3862,
0.3353

 14.7472, 0.4589,
0.3338


144.9710, 0.3805,
0.3351

 8.6422, 0.4868,
0.3312

180.6855, 0.3756,
0.3349

 4.5085, 0.5270,
0.3254

221.8309, 0.3714,
0.3346

 1.9619, 0.5925,
0.3142

268.7917, 0.3677,

 0.5852, 0.7238,

0.3344

0.2762

321.9523, 0.3645,
0.3342

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7347, 0.4107,
0.3356

48.7347, 0.4107,
0.3356

40.4460, 0.4498,
0.3371

58.8126, 0.3779,
0.3339

33.8353, 0.4944,
0.3381

70.7681, 0.3511,
0.3322

28.7900, 0.5414,
0.3382

84.6926, 0.3295,
0.3305

25.1809, 0.5850,
0.3372

99.9972, 0.3127,
0.3290

■ 22.8581, 0.6182,
0.3349

■ 21.6333, 0.6365,
0.3324

■ 21.6030, 0.6371,
0.3324

Harmonies

Analogous

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



48.7347, 0.3726, 0.2953



48.7347, 0.4107, 0.3356



48.7347, 0.4192, 0.3775

Triad

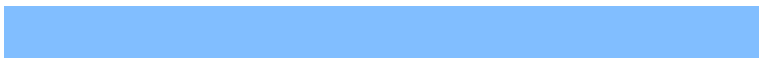
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.7347, 0.4107, 0.3356



48.7347, 0.2996, 0.4097



48.7347, 0.2315, 0.2468

Complementary

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



48.7347, 0.4107, 0.3356



81.8341, 0.2568, 0.3221

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.



48.7347, 0.2162, 0.2680



48.7347, 0.4107, 0.3356



48.7347, 0.2528, 0.3637

Square

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



48.7347, 0.4107, 0.3356



48.7347, 0.3524, 0.4268



48.7347, 0.2234, 0.3097



48.7347, 0.2676, 0.2461

Rectangle

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



48.7347, 0.4107, 0.3356



48.7347, 0.4072, 0.4021



48.7347, 0.2234, 0.3097



48.7347, 0.2240, 0.2515

Sweetspot

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



48.7371, 0.4107, 0.3356



81.1748, 0.3343, 0.3309



51.2717, 0.3214, 0.2353



16.9745, 0.3370, 0.3311



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.



48.7371, 0.4107, 0.3356



41.6609, 0.4432, 0.3369



69.4615, 0.3894, 0.3864



18.1601, 0.3293, 0.3305



11.3565, 0.6360, 0.3332



1.1638, 0.6264, 0.3408

Inverse Universe

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



81.8341, 0.2568, 0.3221



79.1423, 0.2476, 0.3205



55.1457, 0.2477, 0.2632



20.2856, 0.2980, 0.3275



36.3704, 0.2195, 0.3103



3.5952, 0.2202, 0.3126

Previews

White Background



This preview shows how the Yxy color 48.7347, 0.4107, 0.3356 looks on a white background.

Color Contrast Check

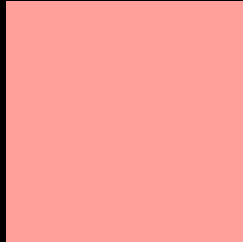
Large Text (above 18pt) WCAG AA × Fail

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 48.7347, 0.4107, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

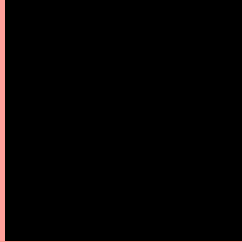
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7347, 0.4107, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 48.7347, 0.4107, 0.3356.



This preview shows how white text looks on a background with the Yxy color 48.7347, 0.4107, 0.3356.

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

48.7347, 0.4107, 0.3356

Protanopia

48.9573, 0.3348, 0.3520

Deuteranopia

49.0735, 0.3700, 0.3629



Tritanopia

48.6160, 0.3955, 0.3166

Trichromacy



Original Color

48.7347, 0.4107, 0.3356

Protanomaly

48.2582, 0.3611, 0.3460

Deuteranomaly

48.5950, 0.3846, 0.3523

Tritanomaly

48.7366, 0.4011, 0.3240

Monochromacy



Original Color

48.7347, 0.4107, 0.3356

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.9724, 0.3446, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7347, 0.4107, 0.3356 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, 160, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 154)  
}
```

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, 160, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 154) }
```

Border

The CSS property to change the border of an element to Yxy 48.7347, 0.4107, 0.3356 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, 160, 154) }
```

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

```
.border{ border-color:rgb(255, 160, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7347, 0.4107, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 154) }
```

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

```
.background{ background-color: rgb(255,  
160, 154) }
```

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