

Converting Colors

$Y_{xy}(61.4257, 0.4700, 0.3400)$

Have a look what the booklet for
Yxy(61.4257, 0.4700, 0.3400)
contains.

Yxy(47.7581, 0.4207, 0.3430)	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(47.7581, 0.4207, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E91
RGB	255, 158, 145
RGB Percent	100%, 62%, 57%
CMY	0.0000, 0.3804, 0.4315
CMYK	0.00, 0.38, 0.43, 0.00
HSL	7°, 100%, 78%
HSV	7°, 43%, 100%
XYZ	58.5768, 47.7581, 32.9016
YIQ	185.5210, 61.9850, 16.5210

Conversions

Conversions Part 2

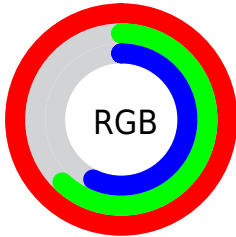
Format	Color
R_{YB}	255, 160, 145
Decimal	16752273
CIE _{Lab}	74.67, 34.67, 22.12
CIE _{LCh}	75, 41.128, 32.540
Yxy	47.7581, 0.4207, 0.3430
Android (android.graphics.Color)	4294942353 (0xFFFF9E91)
YUV	185.5210, -19.9769, 60.9331
Hunter-Lab	69.1072, 30.3628, 20.1474

Details

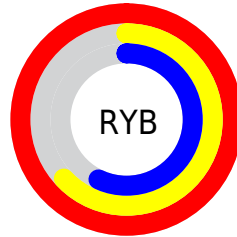
The Yxy color **47.7581, 0.4207, 0.3430** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.7109, 0.2515, 0.3139**, and the grayscale version is **48.9078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4767, 0.3544, 0.3445**, and **22.5315, 0.4504, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **40.0796, 0.4600, 0.3457**, and if you desaturate by 10%, it is **57.0178, 0.3871, 0.3398**.

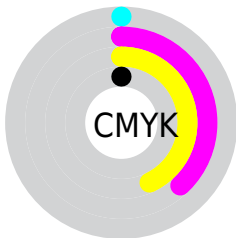
Distribution



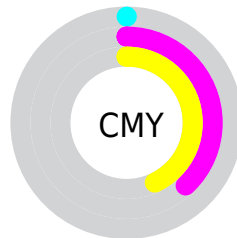
- Red (100%)
- Green (62%)
- Blue (57%)



- Red (100%)
- Yellow (63%)
- Blue (57%)



- Cyan (0%)
- Magenta (38%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7581, 0.4207, 0.3430 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 47.7581, 0.4207, 0.3430 by changing the saturation by 10% instead.


 47.7581, 0.4207,
0.3430

 47.7581, 0.4207,
0.3430


377.8325, 0.3664,
0.3383

 33.6354, 0.4341,
0.3435


 86.8441, 0.4010,
0.3418

 22.6136, 0.4513,
0.3436


 112.5762, 0.3936,
0.3412

 14.3085, 0.4738,
0.3431


142.9469, 0.3873,
0.3406

 8.3355, 0.5043,
0.3410

178.3405, 0.3819,
0.3401

 4.3104, 0.5476,
0.3353

219.1415, 0.3773,
0.3396

 1.8487, 0.6305,
0.3299

265.7342, 0.3732,

 0.5172, 0.7360,

0.3391

0.2640

318.5031, 0.3696,
0.3387

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7581, 0.4207,
0.3430

47.7581, 0.4207,
0.3430

40.0796, 0.4600,
0.3457

57.0178, 0.3871,
0.3398

33.8900, 0.5038,
0.3473

67.9365, 0.3592,
0.3364

29.0934, 0.5488,
0.3471

80.5913, 0.3364,
0.3330

25.5808, 0.5893,
0.3446

95.0534, 0.3178,
0.3299

■ 23.2269, 0.6191,
0.3399

100.0000, 0.3127,
0.3290

■ 22.2007, 0.6320,
0.3364

Harmonies

Analogous

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



47.7581, 0.3848, 0.2999



47.7581, 0.4207, 0.3430



47.7581, 0.4237, 0.3867

Triad

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



47.7581, 0.4207, 0.3430



47.7581, 0.2895, 0.4087



47.7581, 0.2319, 0.2406

Complementary

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



47.7581, 0.4207, 0.3430



76.7109, 0.2515, 0.3139

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.



47.7581, 0.2120, 0.2589



47.7581, 0.4207, 0.3430



47.7581, 0.2425, 0.3561

Square

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



47.7581, 0.4207, 0.3430



47.7581, 0.3453, 0.4327



47.7581, 0.2154, 0.2995



47.7581, 0.2730, 0.2435

Rectangle

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



47.7581, 0.4207, 0.3430



47.7581, 0.4074, 0.4116



47.7581, 0.2154, 0.2995



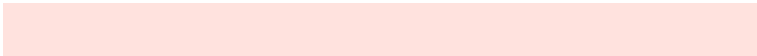
47.7581, 0.2227, 0.2442

Sweetspot

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



47.7593, 0.4207, 0.3430



80.7996, 0.3361, 0.3330



47.9186, 0.3286, 0.2336



16.6625, 0.3407, 0.3337



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.



47.7593, 0.4207, 0.3430



40.8877, 0.4552, 0.3454



70.7997, 0.3946, 0.3986



18.3338, 0.3292, 0.3319



11.7089, 0.6303, 0.3378



1.2457, 0.6139, 0.3508

Inverse Universe

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



76.7109, 0.2515, 0.3139



73.2814, 0.2418, 0.3104



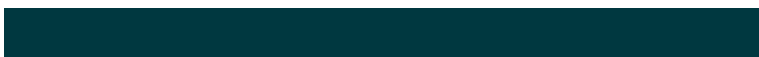
48.8364, 0.2401, 0.2468



20.0919, 0.2980, 0.3261



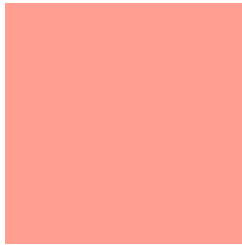
31.9891, 0.2142, 0.2911



3.2141, 0.2155, 0.2958

Previews

White Background



This preview shows how the Yxy color 47.7581, 0.4207, 0.3430 looks on a white background.

Color Contrast Check

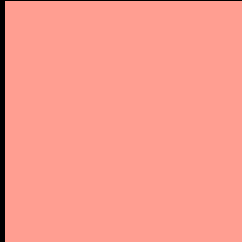
Large Text (above 18pt) WCAG AA × Fail

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 47.7581, 0.4207, 0.3430 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 47.7581, 0.4207, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 47.7581, 0.4207, 0.3430.



This preview shows how white text looks on a background with the Yxy color 47.7581, 0.4207, 0.3430.

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

47.7581, 0.4207, 0.3430

Protanopia

48.1846, 0.3433, 0.3638

Deuteranopia

47.9962, 0.3787, 0.3715



Tritanopia

47.8270, 0.3992, 0.3177

Trichromacy



Original Color

47.7581, 0.4207, 0.3430



Protanomaly

47.5588, 0.3696, 0.3558



Deuteranomaly

47.5556, 0.3938, 0.3604



Tritanomaly

47.8771, 0.4070, 0.3272

Monochromacy



Original Color

47.7581, 0.4207, 0.3430



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.8398, 0.3485, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7581, 0.4207, 0.3430 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, 158, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 145)  
}
```

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, 158, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 145) }
```

Border

The CSS property to change the border of an element to Yxy 47.7581, 0.4207, 0.3430 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, 158, 145) }
```

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

```
.border{ border-color:rgb(255, 158, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7581, 0.4207, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 145) }
```

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

```
.background{ background-color: rgb(255,  
158, 145) }
```

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