

Converting Colors

$Y_{xy}(49.0583, 0.4039, 0.3258)$

Have a look what the booklet for
Yxy(49.0583, 0.4039, 0.3258)
contains.

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Color

Yxy(48.7006, 0.4021, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FA3
RGB	255, 159, 163
RGB Percent	100%, 62%, 64%
CMY	0.0002, 0.3763, 0.3609
CMYK	0.00, 0.38, 0.36, 0.00
HSL	358°, 100%, 81%
HSV	358°, 38%, 100%
XYZ	60.2353, 48.7006, 40.8660
YIQ	188.1600, 55.9320, 21.5960

Conversions

Conversions Part 2

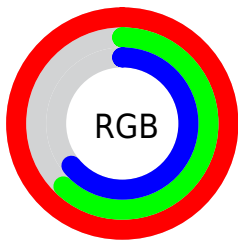
Format	Color
RYB	255, 159, 163
Decimal	16752547
CIELab	75.26, 36.10, 13.09
CIELCh	75, 38.395, 19.929
Yxy	48.7006, 0.4021, 0.3251
Android (android.graphics.Color)	4294942627 (0xFFFF9FA3)
YUV	188.1600, -12.4039, 58.6187
Hunter-Lab	69.7858, 31.9464, 14.1304

Details

The Yxy color **48.7006, 0.4021, 0.3251** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.8316, 0.2619, 0.3332**, and the grayscale version is **50.4347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9228, 0.3403, 0.3261**, and **23.1915, 0.4284, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **40.0248, 0.4400, 0.3242**, and if you desaturate by 10%, it is **59.3589, 0.3708, 0.3261**.

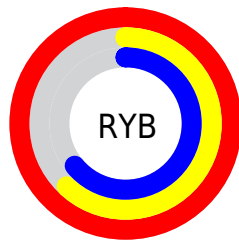
Distribution



Red (100%)

Green (62%)

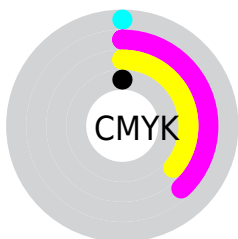
Blue (64%)



Red (100%)

Yellow (62%)

Blue (64%)

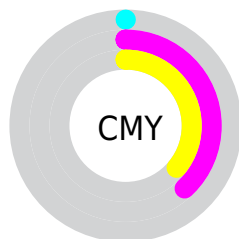


Cyan (0%)

Magenta (38%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7006, 0.4021, 0.3251 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 48.7006, 0.4021, 0.3251 by changing the saturation by 10% instead.


 48.7006, 0.4021,
0.3251


 48.7006, 0.4021,
0.3251


381.5625, 0.3573,
0.3283

 34.3820, 0.4132,
0.3239


 88.2466, 0.3858,
0.3265

 23.1872, 0.4275,
0.3223


 114.2429, 0.3797,
0.3270

 14.7318, 0.4463,
0.3197


144.9005, 0.3746,
0.3273

 8.6314, 0.4721,
0.3155

180.6038, 0.3701,
0.3276

 4.5015, 0.5097,
0.3080

221.7373, 0.3663,
0.3278

 1.9579, 0.5681,
0.2933

268.6853, 0.3629,

 0.5828, 0.7312,

0.3280

0.2688

321.8322, 0.3599,
0.3282

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.7006, 0.4021,
0.3251

48.7006, 0.4021,
0.3251

40.0248, 0.4400,
0.3242

59.3589, 0.3708,
0.3261

33.2025, 0.4839,
0.3237

72.1040, 0.3456,
0.3272

28.1010, 0.5312,
0.3237

87.0412, 0.3253,
0.3283

24.5668, 0.5767,
0.3246

99.9916, 0.3127,
0.3290

■ 22.4192, 0.6129,
0.3262

■ 21.4214, 0.6341,
0.3282

■ 21.2746, 0.6372,
0.3284

Harmonies

Analogous

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



48.7006, 0.3591, 0.2869



48.7006, 0.4021, 0.3251



48.7006, 0.4185, 0.3667

Triad

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



48.7006, 0.4021, 0.3251



48.7006, 0.3131, 0.4158



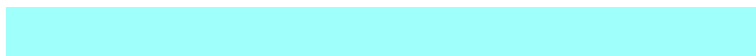
48.7006, 0.2268, 0.2513

Complementary

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



48.7006, 0.4021, 0.3251



85.8316, 0.2619, 0.3332

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.



48.7006, 0.2172, 0.2776



48.7006, 0.4021, 0.3251



48.7006, 0.2642, 0.3763

Square

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



48.7006, 0.4021, 0.3251



48.7006, 0.3643, 0.4243



48.7006, 0.2300, 0.3230



48.7006, 0.2575, 0.2456

Rectangle

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



48.7006, 0.4021, 0.3251



48.7006, 0.4118, 0.3925



48.7006, 0.2300, 0.3230



48.7006, 0.2212, 0.2577

Sweetspot

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



48.7030, 0.4021, 0.3251



81.7780, 0.3317, 0.3279



52.3784, 0.3132, 0.2346



17.0641, 0.3343, 0.3278



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.



48.7030, 0.4021, 0.3251



42.1328, 0.4294, 0.3244



66.0902, 0.3885, 0.3740



17.9992, 0.3288, 0.3281



11.1261, 0.6359, 0.3277



1.0874, 0.6262, 0.3223

Inverse Universe

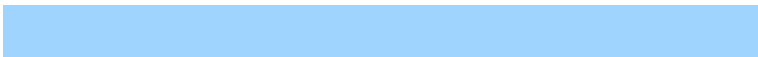
The Inverse Universe completely reimagines the original color for something new.



48.7030, 0.4021, 0.3251



42.1328, 0.4294, 0.3244



61.5738, 0.2528, 0.2787



17.9992, 0.3288, 0.3281



11.1261, 0.6359, 0.3277



1.0874, 0.6262, 0.3223

Previews

White Background



This preview shows how the Yxy color 48.7006, 0.4021, 0.3251 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 48.7006, 0.4021, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

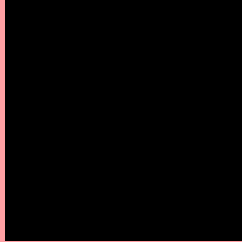
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7006, 0.4021, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 48.7006, 0.4021, 0.3251.



This preview shows how white text looks on a background with the Yxy color 48.7006, 0.4021, 0.3251.

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

48.7006, 0.4021, 0.3251

Protanopia

48.9486, 0.3241, 0.3392

Deuteranopia

48.8895, 0.3602, 0.3535



Tritanopia

48.6160, 0.3955, 0.3166

Trichromacy



Original Color

48.7006, 0.4021, 0.3251



Protanomaly

48.3254, 0.3504, 0.3339



Deuteranomaly

48.5371, 0.3753, 0.3431



Tritanomaly

48.5037, 0.3985, 0.3198

Monochromacy



Original Color

48.7006, 0.4021, 0.3251



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.6960, 0.3422, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7006, 0.4021, 0.3251 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, 159, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 163)  
}
```

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, 159, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 163) }
```

Border

The CSS property to change the border of an element to Yxy 48.7006, 0.4021, 0.3251 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, 159, 163) }
```

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

```
.border{ border-color:rgb(255, 159, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7006, 0.4021, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 163) }
```

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

```
.background{ background-color: rgb(255,  
159, 163) }
```

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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