

Converting Colors

$Y_{xy}(52.1255, 0.4075, 0.3467)$

Have a look what the booklet for
Yxy(52.1255, 0.4075, 0.3467)
contains.

Yxy(52.3094, 0.4073, 0.3472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.3094, 0.4073, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA99
RGB	255, 170, 153
RGB Percent	100%, 67%, 60%
CMY	0.0000, 0.3333, 0.4001
CMYK	0.00, 0.33, 0.40, 0.00
HSL	10°, 100%, 80%
HSV	10°, 40%, 100%
XYZ	61.3641, 52.3094, 36.9872
YIQ	193.4770, 56.1170, 12.7330

Conversions

Conversions Part 2

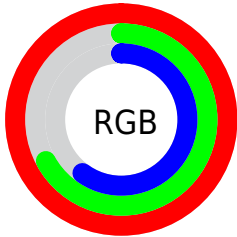
Format	Color
R _Y B	255, 173, 153
Decimal	16755353
CIE Lab	77.47, 29.28, 21.60
CIE LCh	77, 36.381, 36.418
Yxy	52.3094, 0.4073, 0.3472
Android (android.graphics.Color)	4294945433 (0xFFFFAA99)
YUV	193.4770, -19.9552, 53.9557
Hunter-Lab	72.3252, 24.8786, 20.3067

Details

The Yxy color **52.3094, 0.4073, 0.3472** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.1192, 0.2544, 0.3095**, and the grayscale version is **53.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1577, 0.3463, 0.3483**, and **25.4177, 0.4333, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **44.2249, 0.4434, 0.3513**, and if you desaturate by 10%, it is **61.8639, 0.3766, 0.3426**.

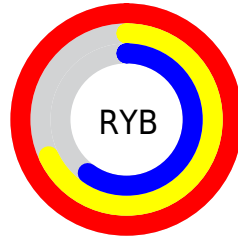
Distribution



Red (100%)

Green (67%)

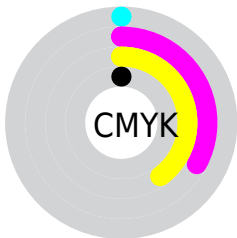
Blue (60%)



Red (100%)

Yellow (68%)

Blue (60%)

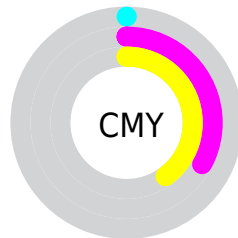


Cyan (0%)

Magenta (33%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3094, 0.4073, 0.3472 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 52.3094, 0.4073, 0.3472 by changing the saturation by 10% instead.


 52.3094, 0.4073,
0.3472

 52.3094, 0.4073,
0.3472

395.6299, 0.3605,
0.3401

 37.2518, 0.4187,
0.3484


 93.5874, 0.3905,
0.3451

 25.4025, 0.4332,
0.3496


 120.5765, 0.3841,
0.3441

 16.3772, 0.4521,
0.3506


152.3116, 0.3787,
0.3433

 9.7914, 0.4775,
0.3509

189.1770, 0.3740,
0.3425

 5.2609, 0.5134,
0.3494

231.5571, 0.3699,
0.3418

 2.4011, 0.5701,
0.3445

279.8364, 0.3664,

 0.8265, 0.6712,

0.3412

0.3288

334.3992, 0.3633,
0.3406

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.3094, 0.4073,
0.3472

52.3094, 0.4073,
0.3472

44.2249, 0.4434,
0.3513

61.8639, 0.3766,
0.3426

37.5325, 0.4842,
0.3543

72.9517, 0.3510,
0.3378

32.1540, 0.5275,
0.3552

85.6384, 0.3300,
0.3333

28.0014, 0.5690,
0.3533

99.9839, 0.3127,
0.3290

■ 24.9757, 0.6030,
0.3483

100.0000, 0.3127,
0.3290

■ 22.9568, 0.6258,
0.3413

Harmonies

Analogous

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



52.3094, 0.3798, 0.3088



52.3094, 0.4073, 0.3472



52.3094, 0.4066, 0.3846

Triad

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



52.3094, 0.4073, 0.3472



52.3094, 0.2873, 0.3917



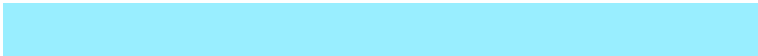
52.3094, 0.2462, 0.2514

Complementary

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



52.3094, 0.4073, 0.3472



75.1192, 0.2544, 0.3095

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.



52.3094, 0.2260, 0.2656



52.3094, 0.4073, 0.3472



52.3094, 0.2480, 0.3460

Square

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



52.3094, 0.4073, 0.3472



52.3094, 0.3354, 0.4163



52.3094, 0.2265, 0.2989



52.3094, 0.2844, 0.2559

Rectangle

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



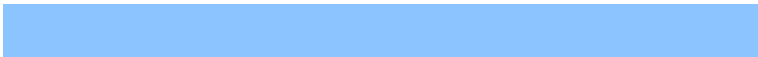
52.3094, 0.4073, 0.3472



52.3094, 0.3909, 0.4044



52.3094, 0.2265, 0.2989



52.3094, 0.2373, 0.2540

Sweetspot

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



52.3110, 0.4073, 0.3472



82.9841, 0.3338, 0.3341



50.2064, 0.3316, 0.2446



17.3966, 0.3365, 0.3347



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.



52.3110, 0.4073, 0.3472



45.7363, 0.4357, 0.3506



75.2672, 0.3856, 0.3984



18.4769, 0.3290, 0.3330



12.1380, 0.6236, 0.3431



1.3129, 0.6043, 0.3584

Inverse Universe

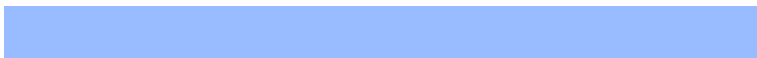
The Inverse Universe completely reimagines the original color for something new.



75.1192, 0.2544, 0.3095



71.3420, 0.2447, 0.3049



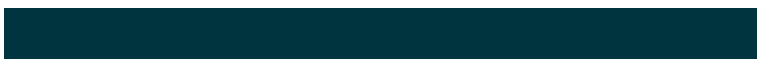
49.5227, 0.2447, 0.2475



19.9347, 0.2980, 0.3249



28.6792, 0.2097, 0.2748



2.9233, 0.2116, 0.2816

Previews

White Background



This preview shows how the Yxy color 52.3094, 0.4073, 0.3472 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 52.3094, 0.4073, 0.3472 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 52.3094, 0.4073, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 52.3094, 0.4073, 0.3472.



This preview shows how white text looks on a background with the Yxy color 52.3094, 0.4073, 0.3472.

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

52.3094, 0.4073, 0.3472

Protanopia

52.4625, 0.3439, 0.3638

Deuteranopia

52.3303, 0.3763, 0.3689



Tritanopia

52.1521, 0.3836, 0.3166

Trichromacy



Original Color

52.3094, 0.4073, 0.3472

Protanomaly

51.7423, 0.3662, 0.3575

Deuteranomaly

52.1367, 0.3873, 0.3608

Tritanomaly

52.1675, 0.3919, 0.3271

Monochromacy



Original Color

52.3094, 0.4073, 0.3472

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.5112, 0.3451, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3094, 0.4073, 0.3472 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, 170, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 153)  
}
```

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, 170, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 153) }
```

Border

The CSS property to change the border of an element to Yxy 52.3094, 0.4073, 0.3472 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, 170, 153) }
```

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

```
.border{ border-color:rgb(255, 170, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3094, 0.4073, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 153) }
```

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

```
.background{ background-color: rgb(255,  
170, 153) }
```

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