

Converting Colors

$Y_{xy}(46.7299, 0.4032, 0.3175)$

Have a look what the booklet for
Yxy(46.7299, 0.4032, 0.3175)
contains.

Yxy(46.7228, 0.4034, 0.3177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7228, 0.4034, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	FF99A4
RGB	255, 153, 164
RGB Percent	100%, 60%, 64%
CMY	0.0001, 0.3999, 0.3568
CMYK	0.00, 0.40, 0.36, 0.00
HSL	354°, 100%, 80%
HSV	354°, 40%, 100%
XYZ	59.3263, 46.7228, 41.0166
YIQ	184.7520, 57.2610, 25.0450

Conversions

Conversions Part 2

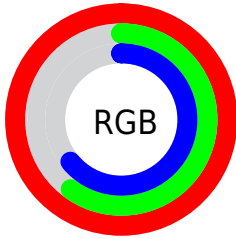
Format	Color
R _Y B	255, 153, 164
Decimal	16751012
CIE Lab	74.01, 39.32, 10.75
CIE LCh	74, 40.766, 15.290
Yxy	46.7228, 0.4034, 0.3177
Android (android.graphics.Color)	4294941092 (0xFFFF99A4)
YUV	184.7520, -10.2307, 61.6075
Hunter-Lab	68.3541, 35.3053, 12.2702

Details

The Yxy color **46.7228, 0.4034, 0.3177** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.8107, 0.2624, 0.3412**, and the grayscale version is **48.4071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9754, 0.3404, 0.3190**, and **22.0200, 0.4305, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **38.5003, 0.4399, 0.3153**, and if you desaturate by 10%, it is **56.8801, 0.3731, 0.3205**.

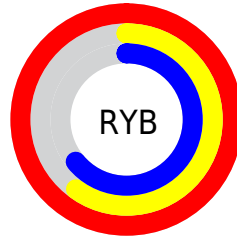
Distribution



Red (100%)

Green (60%)

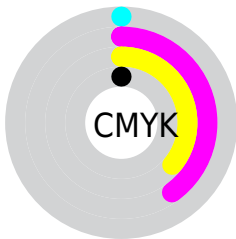
Blue (64%)



Red (100%)

Yellow (60%)

Blue (64%)

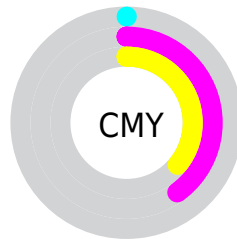


Cyan (0%)

Magenta (40%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7228, 0.4034, 0.3177 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 46.7228, 0.4034, 0.3177 by changing the saturation by 10% instead.


 46.7228, 0.4034,
0.3177

 46.7228, 0.4034,
0.3177


373.7070, 0.3577,
0.3245

 32.8166, 0.4148,
0.3157


 85.2997, 0.3868,
0.3204

 21.9860, 0.4295,
0.3129


 110.7392, 0.3805,
0.3213

 13.8466, 0.4490,
0.3090


140.7918, 0.3752,
0.3221

 8.0140, 0.4759,
0.3029

175.8421, 0.3707,
0.3227

 4.1039, 0.5154,
0.2928

216.2743, 0.3668,
0.3233

 1.7319, 0.5776,
0.2741

262.4730, 0.3634,

 0.4442, 0.7722,

0.3237

0.2278

314.8224, 0.3604,
0.3241

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7228, 0.4034,
0.3177

46.7228, 0.4034,
0.3177

38.5003, 0.4399,
0.3153

56.8801, 0.3731,
0.3205

32.0833, 0.4820,
0.3137

69.0771, 0.3484,
0.3235

27.3375, 0.5273,
0.3137

83.4192, 0.3286,
0.3263

24.1070, 0.5710,
0.3156

99.9957, 0.3127,
0.3290

■ 22.2064, 0.6069,
0.3196

■ 21.3379, 0.6299,
0.3244

■ 21.3371, 0.6300,
0.3244

Harmonies

Analogous

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



46.7228, 0.3537, 0.2784



46.7228, 0.4034, 0.3177



46.7228, 0.4261, 0.3619

Triad

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



46.7228, 0.4034, 0.3177



46.7228, 0.3214, 0.4268



46.7228, 0.2178, 0.2485

Complementary

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



46.7228, 0.4034, 0.3177



84.8107, 0.2624, 0.3412

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.



46.7228, 0.2112, 0.2798



46.7228, 0.4034, 0.3177



46.7228, 0.2677, 0.3885

Square

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



46.7228, 0.4034, 0.3177



46.7228, 0.3755, 0.4298



46.7228, 0.2283, 0.3310



46.7228, 0.2471, 0.2395

Rectangle

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



46.7228, 0.4034, 0.3177



46.7228, 0.4221, 0.3903



46.7228, 0.2283, 0.3310



46.7228, 0.2130, 0.2564

Sweetspot

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



46.7251, 0.4034, 0.3177



80.3712, 0.3322, 0.3258



49.0766, 0.3075, 0.2271



16.7874, 0.3347, 0.3254



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.



46.7251, 0.4034, 0.3177



39.9946, 0.4321, 0.3157



61.3009, 0.3975, 0.3700



18.0189, 0.3277, 0.3265



11.1615, 0.6276, 0.3231



1.0967, 0.6052, 0.3108

Inverse Universe

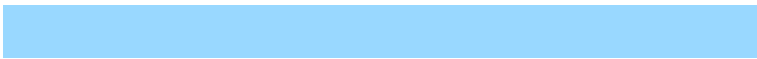
The Inverse Universe completely reimagines the original color for something new.



46.7251, 0.4034, 0.3177



39.9946, 0.4321, 0.3157



63.0499, 0.2503, 0.2833



18.0189, 0.3277, 0.3265



11.1615, 0.6276, 0.3231



1.0967, 0.6052, 0.3108

Previews

White Background



This preview shows how the Yxy color 46.7228, 0.4034, 0.3177 looks on a white background.

Color Contrast Check

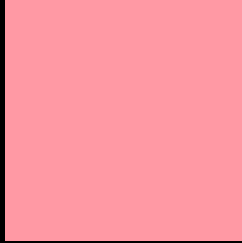
Large Text (above 18pt) WCAG AA × Fail

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 46.7228, 0.4034, 0.3177 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 46.7228, 0.4034, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 46.7228, 0.4034, 0.3177.



This preview shows how white text looks on a background with the Yxy color 46.7228, 0.4034, 0.3177.

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

46.7228, 0.4034, 0.3177

Protanopia

47.1497, 0.3185, 0.3329

Deuteranopia

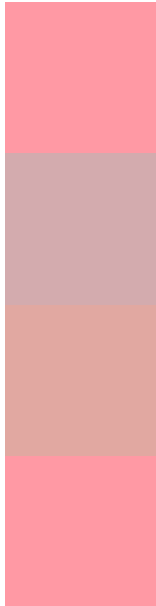
46.9986, 0.3555, 0.3489



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.7228, 0.4034, 0.3177

Protanomaly

46.0307, 0.3469, 0.3254

Deuteranomaly

46.5860, 0.3729, 0.3374

Tritanomaly

46.7228, 0.4034, 0.3177

Monochromacy



Original Color

46.7228, 0.4034, 0.3177

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

46.7631, 0.3429, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7228, 0.4034, 0.3177 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, 153, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 164)  
}
```

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, 153, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 164) }
```

Border

The CSS property to change the border of an element to Yxy 46.7228, 0.4034, 0.3177 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, 153, 164) }
```

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

```
.border{ border-color:rgb(255, 153, 164) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7228, 0.4034, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 164) }
```

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

```
.background{ background-color: rgb(255,  
153, 164) }
```

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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