

Converting Colors

$Y_{xy}(46.7476, 0.4027, 0.3170)$

Have a look what the booklet for
Yxy(46.7476, 0.4027, 0.3170)
contains.

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Color

Yxy(46.7591, 0.4024, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	FF99A5
RGB	255, 153, 165
RGB Percent	100%, 60%, 65%
CMY	0.0000, 0.4000, 0.3528
CMYK	0.00, 0.40, 0.35, 0.00
HSL	353°, 100%, 80%
HSV	353°, 40%, 100%
XYZ	59.4310, 46.7591, 41.5013
YIQ	184.8660, 56.9400, 25.3560

Conversions

Conversions Part 2

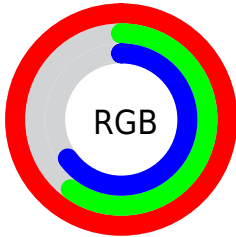
Format	Color
R_{YB}	255, 153, 165
Decimal	16751013
CIE _{Lab}	74.04, 39.47, 10.22
CIE _{LCh}	74, 40.777, 14.520
Yxy	46.7591, 0.4024, 0.3166
Android (android.graphics.Color)	4294941093 (0xFFFF99A5)
YUV	184.8660, -9.7939, 61.5075
Hunter-Lab	68.3806, 35.4720, 11.8824

Details

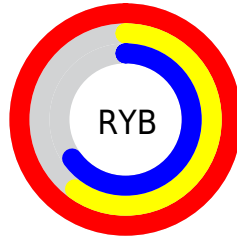
The Yxy color **46.7591, 0.4024, 0.3166** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.7604, 0.2629, 0.3424**, and the grayscale version is **48.4665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0282, 0.3397, 0.3179**, and **22.0424, 0.4291, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **38.5348, 0.4384, 0.3139**, and if you desaturate by 10%, it is **56.9063, 0.3724, 0.3197**.

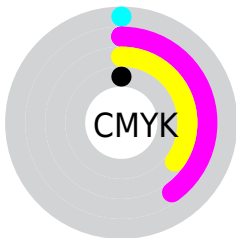
Distribution



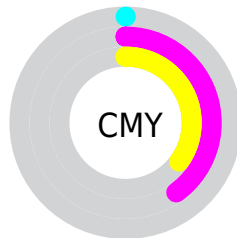
- Red (100%)
- Green (60%)
- Blue (65%)



- Red (100%)
- Yellow (60%)
- Blue (65%)



- Cyan (0%)
- Magenta (40%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7591, 0.4024, 0.3166 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 46.7591, 0.4024, 0.3166 by changing the saturation by 10% instead.

 46.7591, 0.4024,
0.3166

 46.7591, 0.4024,
0.3166

373.8521, 0.3572,
0.3239

 32.8453, 0.4137,
0.3145


 85.3539, 0.3859,
0.3195

 22.0079, 0.4282,
0.3116


 110.8037, 0.3798,
0.3205

 13.8627, 0.4474,
0.3075


140.8676, 0.3746,
0.3213

 8.0252, 0.4741,
0.3013

175.9299, 0.3701,
0.3220

 4.1111, 0.5131,
0.2910

216.3752, 0.3662,
0.3226

 1.7359, 0.5747,
0.2721

262.5877, 0.3628,

 0.4467, 0.7723,

0.3231

0.2277

314.9519, 0.3599,
0.3235

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7591, 0.4024,
0.3166

46.7591, 0.4024,
0.3166

38.5348, 0.4384,
0.3139

56.9063, 0.3724,
0.3197

32.1179, 0.4800,
0.3122

69.0947, 0.3480,
0.3229

27.3701, 0.5249,
0.3120

83.4251, 0.3284,
0.3261

24.1356, 0.5686,
0.3140

99.9934, 0.3127,
0.3290

■ 22.2295, 0.6047,
0.3183

100.0000, 0.3127,
0.3290

■ 21.3542, 0.6284,
0.3236

Harmonies

Analogous

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



46.7591, 0.3523, 0.2775



46.7591, 0.4024, 0.3166



46.7591, 0.4259, 0.3608

Triad

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



46.7591, 0.4024, 0.3166



46.7591, 0.3229, 0.4274



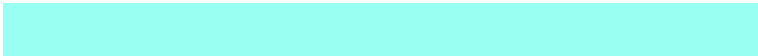
46.7591, 0.2173, 0.2490

Complementary

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



46.7591, 0.4024, 0.3166



84.7604, 0.2629, 0.3424

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.



46.7591, 0.2113, 0.2809



46.7591, 0.4024, 0.3166



46.7591, 0.2689, 0.3898

Square

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



46.7591, 0.4024, 0.3166



46.7591, 0.3767, 0.4294



46.7591, 0.2291, 0.3325



46.7591, 0.2461, 0.2395

Rectangle

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



46.7591, 0.4024, 0.3166



46.7591, 0.4225, 0.3893



46.7591, 0.2291, 0.3325



46.7591, 0.2127, 0.2571

Sweetspot

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



46.7568, 0.4024, 0.3166



80.3886, 0.3320, 0.3255



48.7704, 0.3060, 0.2267



16.7914, 0.3344, 0.3251



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.



46.7568, 0.4024, 0.3166



40.0335, 0.4307, 0.3144



60.5574, 0.3983, 0.3683



18.0219, 0.3276, 0.3262



11.1689, 0.6259, 0.3222



1.0981, 0.6022, 0.3091

Inverse Universe

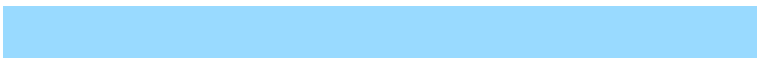
The Inverse Universe completely reimagines the original color for something new.



46.7568, 0.4024, 0.3166



40.0335, 0.4307, 0.3144



63.9252, 0.2506, 0.2853



18.0219, 0.3276, 0.3262



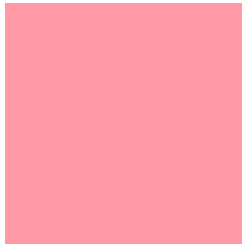
11.1689, 0.6259, 0.3222



1.0981, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 46.7591, 0.4024, 0.3166 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 46.7591, 0.4024, 0.3166 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 46.7591, 0.4024, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 46.7591, 0.4024, 0.3166.



This preview shows how white text looks on a background with the Yxy color 46.7591, 0.4024, 0.3166.

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

46.7591, 0.4024, 0.3166

Protanopia

47.2312, 0.3169, 0.3303

Deuteranopia

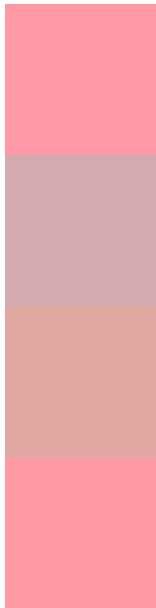
47.0338, 0.3546, 0.3477



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.7591, 0.4024, 0.3166

Protanomaly

46.0698, 0.3460, 0.3242

Deuteranomaly

46.6215, 0.3720, 0.3362

Tritanomaly

46.7228, 0.4034, 0.3177

Monochromacy



Original Color

46.7591, 0.4024, 0.3166

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

46.8031, 0.3420, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7591, 0.4024, 0.3166 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 165) }
```

Border

The CSS property to change the border of an element to Yxy 46.7591, 0.4024, 0.3166 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, 165) }
```

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

```
.border{ border-color:rgb(255, 153, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7591, 0.4024, 0.3166 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
153, 165) }
```

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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