

Converting Colors

$Y_{xy}(46.6654, 0.4051, 0.3194)$

Have a look what the booklet for
Yxy(46.6654, 0.4051, 0.3194)
contains.

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Color

Yxy(46.6511, 0.4055, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	FF99A2
RGB	255, 153, 162
RGB Percent	100%, 60%, 64%
CMY	0.0000, 0.4000, 0.3647
CMYK	0.00, 0.40, 0.36, 0.00
HSL	355°, 100%, 80%
HSV	355°, 40%, 100%
XYZ	59.1527, 46.6511, 40.0721
YIQ	184.5240, 57.9030, 24.4230

Conversions

Conversions Part 2

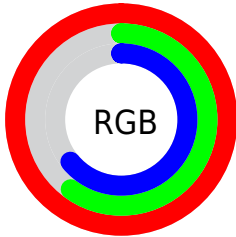
Format	Color
R _Y B	255, 153, 162
Decimal	16751010
CIE Lab	73.97, 39.10, 11.79
CIE LCh	74, 40.843, 16.776
Yxy	46.6511, 0.4055, 0.3198
Android (android.graphics.Color)	4294941090 (0xFFFF99A2)
YUV	184.5240, -11.1043, 61.8075
Hunter-Lab	68.3016, 35.0622, 13.0261

Details

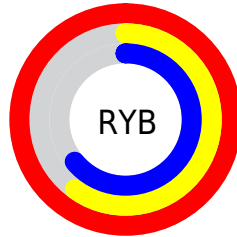
The Yxy color **46.6511, 0.4055, 0.3198** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.9454, 0.2615, 0.3390**, and the grayscale version is **48.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8707, 0.3419, 0.3210**, and **21.9978, 0.4320, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **38.4268, 0.4428, 0.3179**, and if you desaturate by 10%, it is **56.8163, 0.3744, 0.3221**.

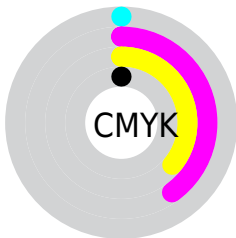
Distribution



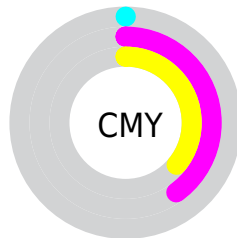
- Red (100%)
- Green (60%)
- Blue (64%)



- 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 46.6511, 0.4055, 0.3198 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 46.6511, 0.4055, 0.3198 by changing the saturation by 10% instead.


 46.6511, 0.4055,
0.3198


 46.6511, 0.4055,
0.3198


373.4201, 0.3587,
0.3256

 32.7599, 0.4172,
0.3180


 85.1926, 0.3885,
0.3222

 21.9426, 0.4322,
0.3155


 110.6117, 0.3821,
0.3230

 13.8147, 0.4522,
0.3118


140.6422, 0.3767,
0.3237

 7.9919, 0.4798,
0.3060

175.6686, 0.3720,
0.3242

 4.0898, 0.5201,
0.2962

216.0752, 0.3680,
0.3247

 1.7239, 0.5838,
0.2778

262.2463, 0.3645,

 0.4391, 0.7725,

0.3250

0.2275

314.5665, 0.3614,
0.3254

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.6511, 0.4055,
0.3198

46.6511, 0.4055,
0.3198

38.4268, 0.4428,
0.3179

56.8163, 0.3744,
0.3221

32.0134, 0.4858,
0.3167

69.0277, 0.3492,
0.3245

27.2760, 0.5319,
0.3167

83.3915, 0.3289,
0.3268

24.0578, 0.5758,
0.3185

99.9996, 0.3127,
0.3290

■ 22.1722, 0.6110,
0.3219

■ 21.3197, 0.6326,
0.3259

■ 21.3195, 0.6326,
0.3259

Harmonies

Analogous

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



46.6511, 0.3567, 0.2800



46.6511, 0.4055, 0.3198



46.6511, 0.4266, 0.3642

Triad

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



46.6511, 0.4055, 0.3198



46.6511, 0.3186, 0.4260



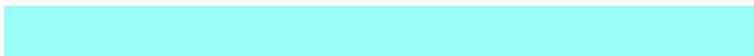
46.6511, 0.2185, 0.2474

Complementary

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



46.6511, 0.4055, 0.3198



84.9454, 0.2615, 0.3390

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.



46.6511, 0.2107, 0.2776



46.6511, 0.4055, 0.3198



46.6511, 0.2652, 0.3860

Square

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



46.6511, 0.4055, 0.3198



46.6511, 0.3731, 0.4307



46.6511, 0.2267, 0.3282



46.6511, 0.2489, 0.2394

Rectangle

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



46.6511, 0.4055, 0.3198



46.6511, 0.4214, 0.3924



46.6511, 0.2267, 0.3282



46.6511, 0.2133, 0.2549

Sweetspot

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



46.6534, 0.4055, 0.3198



80.3382, 0.3326, 0.3264



49.3811, 0.3089, 0.2275



16.7797, 0.3352, 0.3261



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.



46.6534, 0.4055, 0.3198



39.9211, 0.4349, 0.3182



62.0560, 0.3968, 0.3718



18.0131, 0.3280, 0.3269



11.1489, 0.6305, 0.3247



1.0940, 0.6112, 0.3140

Inverse Universe

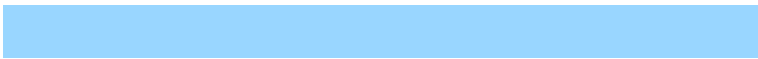
The Inverse Universe completely reimagines the original color for something new.



46.6534, 0.4055, 0.3198



39.9211, 0.4349, 0.3182



62.1882, 0.2500, 0.2812



18.0131, 0.3280, 0.3269



11.1489, 0.6305, 0.3247



1.0940, 0.6112, 0.3140

Previews

White Background



This preview shows how the Yxy color 46.6511, 0.4055, 0.3198 looks on a white background.

Color Contrast Check

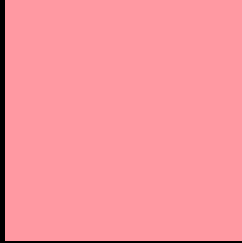
Large Text (above 18pt) WCAG AA × Fail

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 46.6511, 0.4055, 0.3198 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 46.6511, 0.4055, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 46.6511, 0.4055, 0.3198.



This preview shows how white text looks on a background with the Yxy color 46.6511, 0.4055, 0.3198.

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

46.6511, 0.4055, 0.3198

Protanopia

46.7869, 0.3211, 0.3342

Deuteranopia

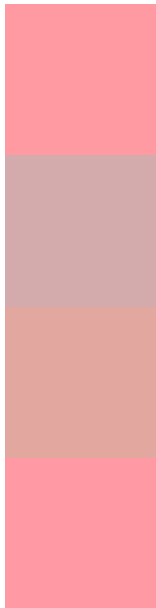
46.6839, 0.3585, 0.3502



Tritanopia

46.7228, 0.4034, 0.3177

Trichromacy



Original Color

46.6511, 0.4055, 0.3198

Protanomaly

46.1014, 0.3497, 0.3279

Deuteranomaly

46.3094, 0.3761, 0.3386

Tritanomaly

46.6868, 0.4045, 0.3188

Monochromacy



Original Color

46.6511, 0.4055, 0.3198

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 46.6511, 0.4055, 0.3198 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 162) }
```

Border

The CSS property to change the border of an element to Yxy 46.6511, 0.4055, 0.3198 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, 162) }
```

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

```
.border{ border-color:rgb(255, 153, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6511, 0.4055, 0.3198 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
153, 162) }
```

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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