

Converting Colors

$Y_{xy}(63.3191, 0.3602, 0.3118)$

Have a look what the booklet for
Yxy(63.3191, 0.3602, 0.3118)
contains.

Yxy(62.1114, 0.3540, 0.3116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.1114, 0.3540, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDCE
RGB	255, 189, 206
RGB Percent	100%, 74%, 81%
CMY	0.0002, 0.2587, 0.1922
CMYK	0.00, 0.26, 0.19, 0.00
HSL	345°, 100%, 87%
HSV	345°, 26%, 100%
XYZ	70.5630, 62.1114, 66.6561
YIQ	210.6720, 33.8790, 19.2790

Conversions

Conversions Part 2

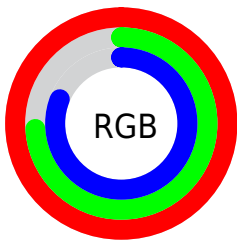
Format	Color
R _Y B	255, 189, 206
Decimal	16760270
CIE Lab	82.97, 26.13, 0.82
CIE LCh	83, 26.148, 1.802
Yxy	62.1114, 0.3540, 0.3116
Android (android.graphics.Color)	4294950350 (0xFFFFBDCE)
YUV	210.6720, -2.3033, 38.8757
Hunter-Lab	78.8108, 21.9006, 5.0216

Details

The Yxy color **62.1114, 0.3540, 0.3116** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.4821, 0.2832, 0.3473**, and the grayscale version is **64.9126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **31.4653, 0.3640, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **51.2254, 0.3769, 0.3045**, and if you desaturate by 10%, it is **75.0418, 0.3353, 0.3186**.

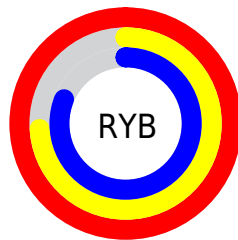
Distribution



Red (100%)

Green (74%)

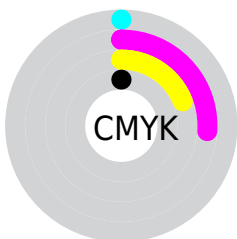
Blue (81%)



Red (100%)

Yellow (74%)

Blue (81%)

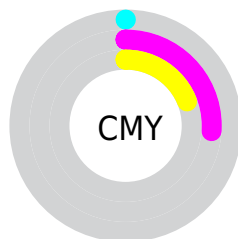


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1114, 0.3540, 0.3116 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 62.1114, 0.3540, 0.3116 by changing the saturation by 10% instead.


 62.1114, 0.3540,
0.3116

 62.1114, 0.3540,
0.3116


432.3373, 0.3343,
0.3199

 45.1227, 0.3586,
0.3096


 107.8865, 0.3471,
0.3146

 31.5541, 0.3645,
0.3071


137.4417, 0.3444,
0.3157

 21.0211, 0.3720,
0.3039


171.9546, 0.3421,
0.3167

 13.1395, 0.3820,
0.2996

211.8095, 0.3401,
0.3175

 7.5246, 0.3960,
0.2936

257.3908, 0.3384,
0.3182

 3.7923, 0.4171,
0.2844


309.0830, 0.3369,

 1.5581, 0.4522,


0.3189


0.2691

367.2703, 0.3355,
0.3194

 0.3291, 0.6027,
0.2076


 0.0000, 0.0000,
0.0000


 62.1114, 0.3540,
0.3116


 62.1114, 0.3540,
0.3116

 51.2254, 0.3769,
0.3045


 75.0418, 0.3353,
0.3186

 42.2705, 0.4045,
0.2979

 90.1054, 0.3202,
0.3253

 35.1353, 0.4370,
0.2924

99.9902, 0.3127,
0.3290

 29.6934, 0.4738,
0.2890

■ 25.8021, 0.5129,
0.2889

■ 23.2951, 0.5510,
0.2930

■ 21.9668, 0.5837,
0.3013

■ 21.6389, 0.5953,
0.3053

Harmonies

Analogous

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



62.1114, 0.3221, 0.2894



62.1114, 0.3540, 0.3116



62.1114, 0.3749, 0.3387

Triad

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



62.1114, 0.3540, 0.3116



62.1114, 0.3341, 0.3879



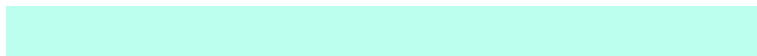
62.1114, 0.2513, 0.2888

Complementary

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



62.1114, 0.3540, 0.3116



88.4821, 0.2832, 0.3473

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.



62.1114, 0.2543, 0.3141



62.1114, 0.3540, 0.3116



62.1114, 0.3009, 0.3740

Square

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



62.1114, 0.3540, 0.3116



62.1114, 0.3626, 0.3837



62.1114, 0.2720, 0.3459



62.1114, 0.2637, 0.2758

Rectangle

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



62.1114, 0.3540, 0.3116



62.1114, 0.3790, 0.3567



62.1114, 0.2720, 0.3459



62.1114, 0.2506, 0.2960

Sweetspot

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



62.1143, 0.3540, 0.3116



86.7302, 0.3232, 0.3239



61.6932, 0.3025, 0.2617



18.0638, 0.3254, 0.3229



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.



62.1143, 0.3540, 0.3116



56.2898, 0.3652, 0.3080



68.3071, 0.3642, 0.3451



18.0638, 0.3254, 0.3229



11.3323, 0.5913, 0.3031



1.1203, 0.5596, 0.2857

Inverse Universe

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



62.1143, 0.3540, 0.3116



56.2898, 0.3652, 0.3080



80.1053, 0.2732, 0.3123



18.0638, 0.3254, 0.3229



11.3323, 0.5913, 0.3031



1.1203, 0.5596, 0.2857

Previews

White Background



This preview shows how the Yxy color 62.1114, 0.3540, 0.3116 looks on a white background.

Color Contrast Check

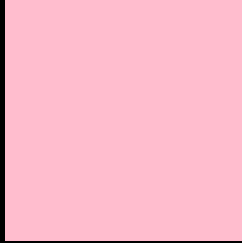
Large Text (above 18pt) WCAG AA × Fail

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 62.1114, 0.3540, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

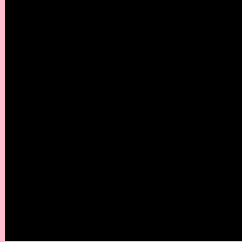
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1114, 0.3540, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 62.1114, 0.3540, 0.3116.



This preview shows how white text looks on a background with the Yxy color 62.1114, 0.3540, 0.3116.

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

62.1114, 0.3540, 0.3116

Protanopia

62.5104, 0.3073, 0.3176

Deuteranopia

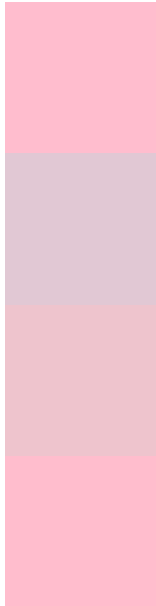
62.1622, 0.3319, 0.3246



Tritanopia

62.0148, 0.3557, 0.3136

Trichromacy



Original Color

62.1114, 0.3540, 0.3116

Protanomaly

62.0696, 0.3235, 0.3158

Deuteranomaly

62.0648, 0.3397, 0.3194

Tritanomaly

62.0630, 0.3549, 0.3126

Monochromacy



Original Color

62.1114, 0.3540, 0.3116

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

63.6462, 0.3270, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1114, 0.3540, 0.3116 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, 189, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 206)  
}
```

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, 189, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 206) }
```

Border

The CSS property to change the border of an element to Yxy 62.1114, 0.3540, 0.3116 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, 189, 206) }
```

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

```
.border{ border-color:rgb(255, 189, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1114, 0.3540, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 206) }
```

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

```
.background{ background-color: rgb(255,  
189, 206) }
```

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