

Converting Colors

$Y_{xy}(50.0734, 0.3619, 0.2816)$

Have a look what the booklet for
Yxy(50.0734, 0.3619, 0.2816)
contains.

Yxy(50.0734, 0.3619, 0.2816)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0734, 0.3619, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	FF9ECC
RGB	255, 158, 204
RGB Percent	100%, 62%, 80%
CMY	0.0002, 0.3803, 0.2000
CMYK	0.00, 0.38, 0.20, 0.00
HSL	332°, 100%, 81%
HSV	332°, 38%, 100%
XYZ	64.3521, 50.0734, 63.3919
YIQ	192.2470, 43.0460, 34.8700

Conversions

Conversions Part 2

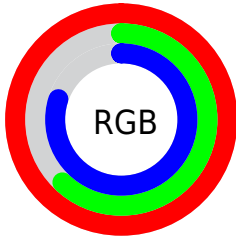
Format	Color
R _Y B	255, 158, 204
Decimal	16752332
CIE Lab	76.11, 42.00, -8.18
CIE LCh	76, 42.793, 348.974
Yxy	50.0734, 0.3619, 0.2816
Android (android.graphics.Color)	4294942412 (0xFFFF9ECC)
YUV	192.2470, 5.7942, 55.0344
Hunter-Lab	70.7626, 38.4951, -3.5806

Details

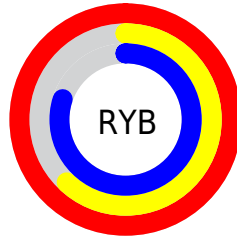
The Yxy color $50.0734, 0.3619, 0.2816$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $83.3671, 0.2816, 0.3826$, and the grayscale version is $52.8130, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.5731, 0.3146, 0.2891$, and $24.1755, 0.3752, 0.2701$ is the 20% darker color. If you saturate the color by 10%, you get $41.6435, 0.3812, 0.2695$, and if you desaturate by 10%, it is $60.3675, 0.3455, 0.2944$.

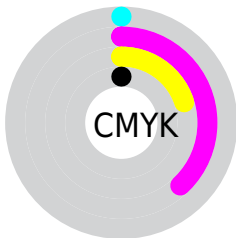
Distribution



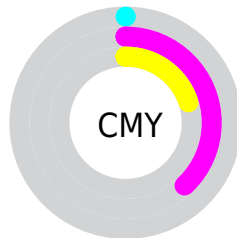
- Red (100%)
- Green (62%)
- Blue (80%)



- Red (100%)
- Yellow (62%)
- Blue (80%)



- Cyan (0%)
- Magenta (38%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0734, 0.3619, 0.2816 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 50.0734, 0.3619, 0.2816 by changing the saturation by 10% instead.

 50.0734, 0.3619,
0.2816


 50.0734, 0.3619,
0.2816


386.9529, 0.3380,
0.3042

 35.4717, 0.3676,
0.2763

 90.2836, 0.3534,
0.2896

 24.0265, 0.3749,
0.2697


 116.6610, 0.3502,
0.2926

 15.3533, 0.3843,
0.2611


147.7323, 0.3474,
0.2952

 9.0677, 0.3970,
0.2498

183.8820, 0.3450,
0.2975

 4.7854, 0.4152,
0.2339

225.4946, 0.3429,
0.2995

 2.1219, 0.4430,
0.2105

272.9543, 0.3411,

 0.6769, 0.4925,

0.3012

0.1693

326.6456, 0.3395,
0.3028

0.0000, 0.8559,
0.0000

0.0000, 0.0000,
0.0000

50.0734, 0.3619,
0.2816

50.0734, 0.3619,
0.2816

41.6435, 0.3812,
0.2695

60.3675, 0.3455,
0.2944

34.9570, 0.4034,
0.2590

72.6229, 0.3318,
0.3072

29.8899, 0.4281,
0.2514

86.9381, 0.3204,
0.3196

26.2984, 0.4544,
0.2481

99.9914, 0.3127,
0.3290

■ 24.0132, 0.4810,
0.2499

■ 22.8050, 0.5064,
0.2573

■ 22.6290, 0.5113,
0.2590

Harmonies

Analogous

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



50.0734, 0.3022, 0.2515



50.0734, 0.3619, 0.2816



50.0734, 0.4104, 0.3227

Triad

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



50.0734, 0.3619, 0.2816



50.0734, 0.3706, 0.4339



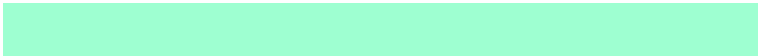
50.0734, 0.2084, 0.2733

Complementary

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



50.0734, 0.3619, 0.2816



83.3671, 0.2816, 0.3826

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.



50.0734, 0.2229, 0.3237



50.0734, 0.3619, 0.2816



50.0734, 0.3144, 0.4266

Square

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



50.0734, 0.3619, 0.2816



50.0734, 0.4135, 0.4092



50.0734, 0.2605, 0.3833



50.0734, 0.2181, 0.2442

Rectangle

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



50.0734, 0.3619, 0.2816



50.0734, 0.4270, 0.3529



50.0734, 0.2605, 0.3833



50.0734, 0.2105, 0.2880

Sweetspot

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



50.0758, 0.3619, 0.2816



82.4769, 0.3236, 0.3160



45.1082, 0.2792, 0.2236



17.2298, 0.3251, 0.3143



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.



50.0758, 0.3619, 0.2816



43.2154, 0.3771, 0.2718



48.7414, 0.4068, 0.3310



18.1305, 0.3219, 0.3178



11.8586, 0.5074, 0.2569



1.1765, 0.4806, 0.2421

Inverse Universe

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



50.0758, 0.3619, 0.2816



43.2154, 0.3771, 0.2718



84.9546, 0.2594, 0.3271



18.1305, 0.3219, 0.3178



11.8586, 0.5074, 0.2569



1.1765, 0.4806, 0.2421

Previews

White Background



This preview shows how the Yxy color 50.0734, 0.3619, 0.2816 looks on a white background.

Color Contrast Check

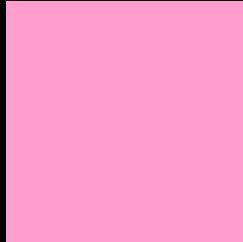
Large Text (above 18pt) WCAG AA × Fail

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 50.0734, 0.3619, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

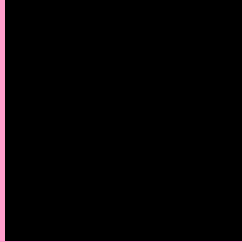
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0734, 0.3619, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 50.0734, 0.3619, 0.2816.



This preview shows how white text looks on a background with the Yxy color 50.0734, 0.3619, 0.2816.

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

50.0734, 0.3619, 0.2816

Protanopia

50.6383, 0.2827, 0.2863

Deuteranopia

50.4546, 0.3145, 0.3085



Tritanopia

50.0244, 0.3851, 0.3154

Trichromacy



Original Color

50.0734, 0.3619, 0.2816



Protanomaly

49.3669, 0.3089, 0.2835



Deuteranomaly

49.8613, 0.3317, 0.2980



Tritanomaly

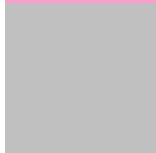
49.9176, 0.3768, 0.3028

Monochromacy



Original Color

50.0734, 0.3619, 0.2816



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.0751, 0.3299, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0734, 0.3619, 0.2816 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, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 204)  
}
```

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, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.0734, 0.3619, 0.2816 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, 158, 204) }
```

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

```
.border{ border-color:rgb(255, 158, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0734, 0.3619, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 204) }
```

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

```
.background{ background-color: rgb(255,  
158, 204) }
```

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