

Converting Colors

$Y_{xy}(59.1999, 0.3485, 0.2949)$

Have a look what the booklet for
Yxy(59.1999, 0.3485, 0.2949)
contains.

Yxy(59.1628, 0.3488, 0.2952)	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(59.1628, 0.3488, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	FFB5D6
RGB	255, 181, 214
RGB Percent	100%, 71%, 84%
CMY	0.0000, 0.2902, 0.1608
CMYK	0.00, 0.29, 0.16, 0.00
HSL	333°, 100%, 85%
HSV	333°, 29%, 100%
XYZ	69.9051, 59.1628, 71.3481
YIQ	206.8880, 33.5110, 25.9510

Conversions

Conversions Part 2

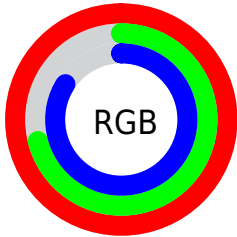
Format	Color
R _Y B	255, 181, 214
Decimal	16758230
CIE Lab	81.38, 31.58, -5.82
CIE LCh	81, 32.115, 349.565
Yxy	59.1628, 0.3488, 0.2952
Android (android.graphics.Color)	4294948310 (0xFFFFB5D6)
YUV	206.8880, 3.5062, 42.1942
Hunter-Lab	76.9174, 27.6215, -1.1549

Details

The Yxy color **59.1628, 0.3488, 0.2952** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.6180, 0.2871, 0.3657**, and the grayscale version is **62.2803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0484, 0.3135, 0.3117**, and **29.5523, 0.3580, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **49.0330, 0.3664, 0.2832**, and if you desaturate by 10%, it is **71.2519, 0.3340, 0.3073**.

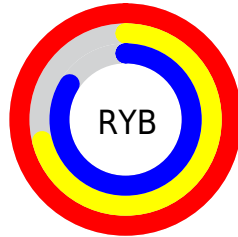
Distribution



Red (100%)

Green (71%)

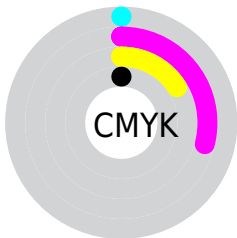
Blue (84%)



Red (100%)

Yellow (71%)

Blue (84%)

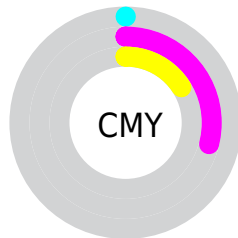


Cyan (0%)

Magenta (29%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (29%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1628, 0.3488, 0.2952 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 59.1628, 0.3488, 0.2952 by changing the saturation by 10% instead.

 59.1628, 0.3488,
0.2952

 59.1628, 0.3488,
0.2952


421.5050, 0.3317,
0.3110

 42.7442, 0.3528,
0.2915


 103.6142, 0.3428,
0.3007

 29.6845, 0.3578,
0.2870


132.4159, 0.3405,
0.3029

 19.5992, 0.3643,
0.2812

166.1139, 0.3385,
0.3047

 12.1040, 0.3729,
0.2736

205.0929, 0.3368,
0.3063

 6.8146, 0.3849,
0.2631

249.7370, 0.3352,
0.3077

 3.3464, 0.4028,
0.2477

300.4308, 0.3339,

 1.3151, 0.4322,

0.3089

0.2233

357.5587, 0.3327,
0.3100

0.1529, 0.5585,
0.0930

0.0000, 0.0000,
0.0000

59.1628, 0.3488,
0.2952

59.1628, 0.3488,
0.2952

49.0330, 0.3664,
0.2832

71.2519, 0.3340,
0.3073

40.7589, 0.3872,
0.2719

85.3991, 0.3218,
0.3190

34.2248, 0.4112,
0.2623

100.0000, 0.3127,
0.3290

29.3023, 0.4378,
0.2557

■ 25.8455, 0.4660,
0.2535

■ 23.6810, 0.4943,
0.2565

■ 22.5539, 0.5209,
0.2648

■ 22.4679, 0.5234,
0.2657

Harmonies

Analogous

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



59.1628, 0.3067, 0.2723



59.1628, 0.3488, 0.2952



59.1628, 0.3823, 0.3264

Triad

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



59.1628, 0.3488, 0.2952



59.1628, 0.3547, 0.4034



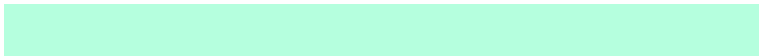
59.1628, 0.2363, 0.2896

Complementary

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



59.1628, 0.3488, 0.2952



86.6180, 0.2871, 0.3657

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.



59.1628, 0.2473, 0.3256



59.1628, 0.3488, 0.2952



59.1628, 0.3143, 0.3959

Square

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



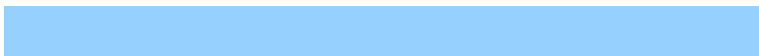
59.1628, 0.3488, 0.2952



59.1628, 0.3849, 0.3886



59.1628, 0.2752, 0.3661



59.1628, 0.2439, 0.2675

Rectangle

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



59.1628, 0.3488, 0.2952



59.1628, 0.3938, 0.3489



59.1628, 0.2752, 0.3661



59.1628, 0.2379, 0.3004

Sweetspot

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



59.1623, 0.3488, 0.2952



85.4292, 0.3218, 0.3190



55.7498, 0.2906, 0.2508



17.8165, 0.3235, 0.3174



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.



59.1623, 0.3488, 0.2952



52.8757, 0.3590, 0.2880



59.1686, 0.3764, 0.3331



18.1217, 0.3224, 0.3184



11.7690, 0.5194, 0.2635



1.1675, 0.4911, 0.2479

Inverse Universe

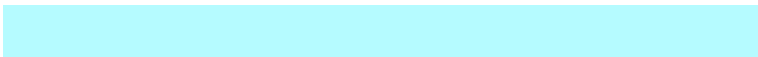
The Inverse Universe completely reimagines the original color for something new.



59.1623, 0.3488, 0.2952



52.8757, 0.3590, 0.2880



86.2256, 0.2702, 0.3249



18.1217, 0.3224, 0.3184



11.7690, 0.5194, 0.2635



1.1675, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 59.1628, 0.3488, 0.2952 looks on a white background.

Color Contrast Check

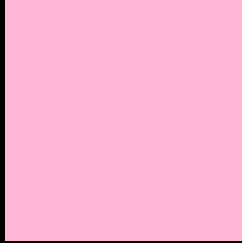
Large Text (above 18pt) WCAG AA × Fail

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 59.1628, 0.3488, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

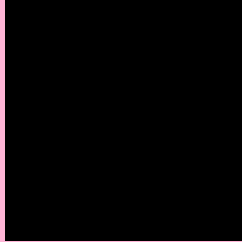
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1628, 0.3488, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 59.1628, 0.3488, 0.2952.



This preview shows how white text looks on a background with the Yxy color 59.1628, 0.3488, 0.2952.

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

59.1628, 0.3488, 0.2952

Protanopia

59.4064, 0.2939, 0.3001

Deuteranopia

59.0884, 0.3190, 0.3121



Tritanopia

59.2408, 0.3602, 0.3145

Trichromacy



Original Color

59.1628, 0.3488, 0.2952



Protanomaly

58.9176, 0.3118, 0.2978



Deuteranomaly

59.0040, 0.3292, 0.3060



Tritanomaly

59.2974, 0.3561, 0.3073

Monochromacy



Original Color

59.1628, 0.3488, 0.2952



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.8886, 0.3244, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1628, 0.3488, 0.2952 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, 181, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 214)  
}
```

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, 181, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 214) }
```

Border

The CSS property to change the border of an element to Yxy 59.1628, 0.3488, 0.2952 is called "border". The border property can be set on classes, ids or directly on the HTML element.

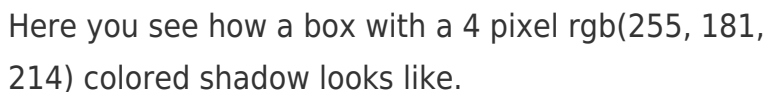
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 181, 214) }
```

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

```
.border{ border-color:rgb(255, 181, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 181, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1628, 0.3488, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 214) }
```

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

```
.background{ background-color: rgb(255,  
181, 214) }
```

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