

Converting Colors

$Y_{xy}(60.6310, 0.3378, 0.2721)$

Have a look what the booklet for
Yxy(60.6310, 0.3378, 0.2721)
contains.

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Color

Yxy(59.1569, 0.3310, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2EC
RGB	255, 178, 236
RGB Percent	100%, 70%, 93%
CMY	0.0000, 0.3020, 0.0744
CMYK	0.00, 0.30, 0.07, 0.00
HSL	315°, 100%, 85%
HSV	315°, 30%, 100%
XYZ	72.3077, 59.1569, 86.9877
YIQ	207.6350, 27.2740, 34.3620

Conversions

Conversions Part 2

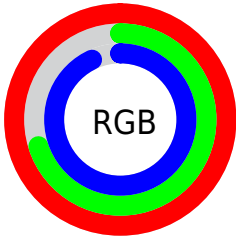
Format	Color
R _Y B	255, 178, 236
Decimal	16757484
CIE Lab	81.38, 36.71, -17.69
CIE LCh	81, 40.749, 334.276
Yxy	59.1569, 0.3310, 0.2708
Android (android.graphics.Color)	4294947564 (0xFFFFB2EC)
YUV	207.6350, 13.9839, 41.5391
Hunter-Lab	76.9135, 33.2123, -13.2164

Details

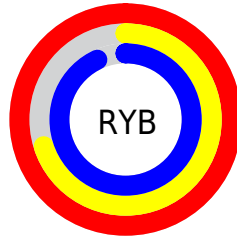
The Yxy color **59.1569, 0.3310, 0.2708** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.0140, 0.2985, 0.3954**, and the grayscale version is **62.7223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **29.5809, 0.3348, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **49.5768, 0.3389, 0.2515**, and if you desaturate by 10%, it is **70.6359, 0.3240, 0.2905**.

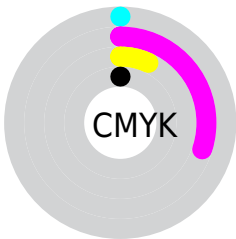
Distribution



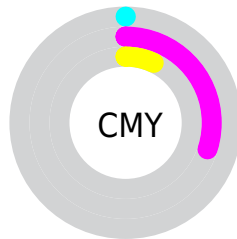
- Red (100%)
- Green (70%)
- Blue (93%)



- Red (100%)
- Yellow (70%)
- Blue (93%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1569, 0.3310, 0.2708 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 59.1569, 0.3310, 0.2708 by changing the saturation by 10% instead.


 59.1569, 0.3310,
0.2708

 59.1569, 0.3310,
0.2708

421.4831, 0.3229,
0.2973

 42.7394, 0.3328,
0.2649


 103.6057, 0.3282,
0.2799

 29.6807, 0.3349,
0.2576


132.4058, 0.3272,
0.2835

 19.5964, 0.3376,
0.2485


166.1022, 0.3262,
0.2865

 12.1020, 0.3409,
0.2368

205.0793, 0.3254,
0.2892

 6.8132, 0.3452,
0.2212

249.7216, 0.3246,
0.2916

 3.3455, 0.3510,
0.1995


300.4134, 0.3240,

 1.3147, 0.3588,

0.2937


0.1675


357.5391, 0.3234,
0.2956


 0.1525, 0.3942,
0.0569


 0.0000, 0.0000,
0.0000


 59.1569, 0.3310,
0.2708


 59.1569, 0.3310,
0.2708

 49.5768, 0.3389,
0.2515

 70.6359, 0.3240,
0.2905

 41.7906, 0.3477,
0.2336

 84.1103, 0.3180,
0.3099

 35.6834, 0.3572,
0.2179

99.6704, 0.3128,
0.3286

 31.1267, 0.3672,
0.2057

100.0000, 0.3127,
0.3290

■ 27.9735, 0.3773,
0.1978

■ 26.0482, 0.3873,
0.1947

■ 25.0741, 0.3967,
0.1959

Harmonies

Analogous

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



59.1569, 0.2788, 0.2501



59.1569, 0.3310, 0.2708



59.1569, 0.3818, 0.3044

Triad

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



59.1569, 0.3310, 0.2708



59.1569, 0.3868, 0.4160



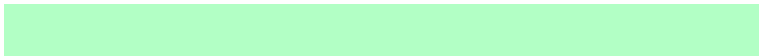
59.1569, 0.2215, 0.2995

Complementary

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



59.1569, 0.3310, 0.2708



85.0140, 0.2985, 0.3954

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.



59.1569, 0.2458, 0.3510



59.1569, 0.3310, 0.2708



59.1569, 0.3403, 0.4239

Square

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



59.1569, 0.3310, 0.2708



59.1569, 0.4145, 0.3853



59.1569, 0.2887, 0.3997



59.1569, 0.2195, 0.2627

Rectangle

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



59.1569, 0.3310, 0.2708



59.1569, 0.4059, 0.3311



59.1569, 0.2887, 0.3997



59.1569, 0.2272, 0.3156

Sweetspot

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



59.1569, 0.3310, 0.2708



85.8626, 0.3173, 0.3122



50.7898, 0.2715, 0.2431



17.9234, 0.3181, 0.3094



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.



59.1569, 0.3310, 0.2708



53.3737, 0.3355, 0.2595



57.2007, 0.3627, 0.3078



18.2194, 0.3176, 0.3113



13.1267, 0.3952, 0.1951



1.2954, 0.3848, 0.1894

Inverse Universe

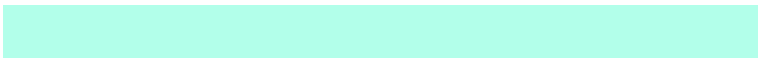
The Inverse Universe completely reimagines the original color for something new.



59.1569, 0.3310, 0.2708



53.3737, 0.3355, 0.2595



86.9517, 0.2791, 0.3516



18.2194, 0.3176, 0.3113



13.1267, 0.3952, 0.1951



1.2954, 0.3848, 0.1894

Previews

White Background



This preview shows how the Yxy color 59.1569, 0.3310, 0.2708 looks on a white background.

Color Contrast Check

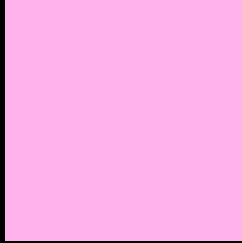
Large Text (above 18pt) WCAG AA × Fail

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 59.1569, 0.3310, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

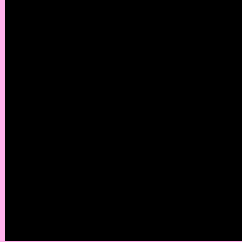
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1569, 0.3310, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 59.1569, 0.3310, 0.2708.



This preview shows how white text looks on a background with the Yxy color 59.1569, 0.3310, 0.2708.

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

59.1569, 0.3310, 0.2708

Protanopia

59.8147, 0.2727, 0.2728

Deuteranopia

59.1686, 0.2964, 0.2896



Tritanopia

59.1454, 0.3566, 0.3144

Trichromacy



Original Color

59.1569, 0.3310, 0.2708



Protanomaly

59.0899, 0.2913, 0.2713



Deuteranomaly

58.7177, 0.3086, 0.2824



Tritanomaly

58.9048, 0.3478, 0.2980

Monochromacy



Original Color

59.1569, 0.3310, 0.2708



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

61.0020, 0.3193, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1569, 0.3310, 0.2708 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, 178, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 236)  
}
```

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, 178, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 236) }
```

Border

The CSS property to change the border of an element to Yxy 59.1569, 0.3310, 0.2708 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, 178, 236) }
```

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

```
.border{ border-color:rgb(255, 178, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1569, 0.3310, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 236) }
```

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

```
.background{ background-color: rgb(255,  
178, 236) }
```

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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