

Converting Colors

$Yxy(59.2086, 0.3330, 0.2737)$

Have a look what the booklet for
Yxy(59.2086, 0.3330, 0.2737)
contains.

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Color

Yxy(58.9840, 0.3334, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E9
RGB	255, 178, 233
RGB Percent	100%, 70%, 91%
CMY	0.0002, 0.3018, 0.0864
CMYK	0.00, 0.30, 0.09, 0.00
HSL	317°, 100%, 85%
HSV	317°, 30%, 100%
XYZ	71.8497, 58.9840, 84.6723
YIQ	207.2930, 28.2370, 33.4290

Conversions

Conversions Part 2

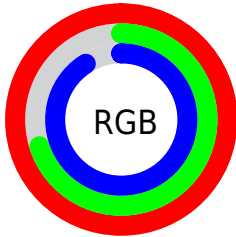
Format	Color
R_{YB}	255, 178, 233
Decimal	16757481
CIE _{Lab}	81.28, 36.15, -16.19
CIE _{LCh}	81, 39.613, 335.878
Yxy	58.9840, 0.3334, 0.2737
Android (android.graphics.Color)	4294947561 (0xFFFFB2E9)
YUV	207.2930, 12.6736, 41.8390
Hunter-Lab	76.8010, 32.5904, -11.6059

Details

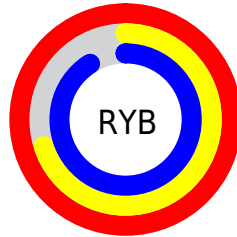
The Yxy color $58.9840, 0.3334, 0.2737$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $85.1226, 0.2969, 0.3917$, and the grayscale version is $62.4993, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $29.4599, 0.3381, 0.2609$ is the 20% darker color. If you saturate the color by 10%, you get $49.3566, 0.3425, 0.2553$, and if you desaturate by 10%, it is $70.5191, 0.3255, 0.2925$.

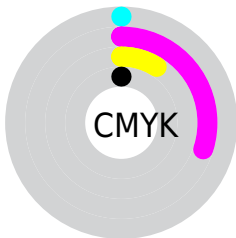
Distribution



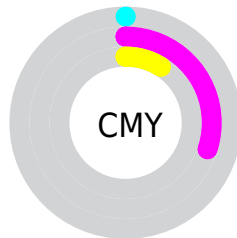
- Red (100%)
- Green (70%)
- Blue (91%)



- Red (100%)
- Yellow (70%)
- Blue (91%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9840, 0.3334, 0.2737 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 58.9840, 0.3334, 0.2737 by changing the saturation by 10% instead.


 58.9840, 0.3334,
0.2737

 58.9840, 0.3334,
0.2737


420.8426, 0.3241,
0.2990

 42.6002, 0.3355,
0.2680


 103.3544, 0.3302,
0.2824

 29.5716, 0.3380,
0.2611


132.1098, 0.3290,
0.2858

 19.5136, 0.3411,
0.2523


165.7580, 0.3279,
0.2887

 12.0420, 0.3452,
0.2410

204.6832, 0.3269,
0.2913

 6.7723, 0.3505,
0.2259

249.2698, 0.3261,
0.2936

 3.3201, 0.3578,
0.2048


299.9024, 0.3253,

 1.3010, 0.3682,


0.2956


0.1734


356.9652, 0.3247,
0.2974


 0.1420, 0.4127,
0.0569

 0.0000, 0.0000,
0.0000


 58.9840, 0.3334,
0.2737

 58.9840, 0.3334,
0.2737

 49.3566, 0.3425,
0.2553

 70.5191, 0.3255,
0.2925

 41.5242, 0.3527,
0.2380

 84.0507, 0.3186,
0.3110

 35.3745, 0.3639,
0.2231

99.6716, 0.3128,
0.3287

 30.7789, 0.3757,
0.2114

99.9890, 0.3127,
0.3290

■ 27.5907, 0.3879,
0.2042

■ 25.6343, 0.3999,
0.2018

■ 24.6319, 0.4113,
0.2040

Harmonies

Analogous

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



58.9840, 0.2822, 0.2526



58.9840, 0.3334, 0.2737



58.9840, 0.3822, 0.3071

Triad

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



58.9840, 0.3334, 0.2737



58.9840, 0.3829, 0.4148



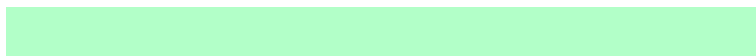
58.9840, 0.2231, 0.2981

Complementary

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



58.9840, 0.3334, 0.2737



85.1226, 0.2969, 0.3917

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.



58.9840, 0.2457, 0.3476



58.9840, 0.3334, 0.2737



58.9840, 0.3371, 0.4207

Square

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



58.9840, 0.3334, 0.2737



58.9840, 0.4111, 0.3860



58.9840, 0.2868, 0.3955



58.9840, 0.2222, 0.2631

Rectangle

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



58.9840, 0.3334, 0.2737



58.9840, 0.4047, 0.3334



58.9840, 0.2868, 0.3955



58.9840, 0.2283, 0.3135

Sweetspot

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



58.9867, 0.3334, 0.2737



85.8064, 0.3179, 0.3131



51.3275, 0.2743, 0.2438



17.9095, 0.3188, 0.3104



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.



58.9867, 0.3334, 0.2737



53.1705, 0.3386, 0.2629



57.0312, 0.3661, 0.3118



18.2067, 0.3182, 0.3122



12.9044, 0.4095, 0.2029



1.2753, 0.3969, 0.1960

Inverse Universe

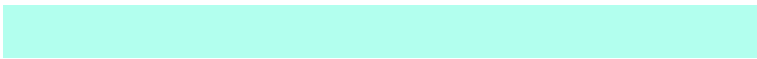
The Inverse Universe completely reimagines the original color for something new.



58.9867, 0.3334, 0.2737



53.1705, 0.3386, 0.2629



87.1419, 0.2772, 0.3472



18.2067, 0.3182, 0.3122



12.9044, 0.4095, 0.2029



1.2753, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 58.9840, 0.3334, 0.2737 looks on a white background.

Color Contrast Check

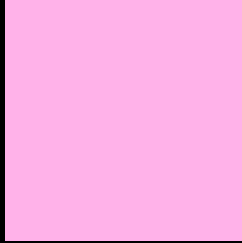
Large Text (above 18pt) WCAG AA × Fail

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 58.9840, 0.3334, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

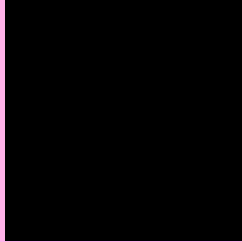
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9840, 0.3334, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 58.9840, 0.3334, 0.2737.



This preview shows how white text looks on a background with the Yxy color 58.9840, 0.3334, 0.2737.

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

58.9840, 0.3334, 0.2737

Protanopia

59.1622, 0.2743, 0.2747

Deuteranopia

59.1450, 0.2992, 0.2929



Tritanopia

58.9137, 0.3576, 0.3134

Trichromacy



Original Color

58.9840, 0.3334, 0.2737



Protanomaly

58.4665, 0.2933, 0.2732



Deuteranomaly

58.7088, 0.3116, 0.2856



Tritanomaly

58.8545, 0.3486, 0.2990

Monochromacy



Original Color

58.9840, 0.3334, 0.2737



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.2850, 0.3201, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9840, 0.3334, 0.2737 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 233) }
```

Border

The CSS property to change the border of an element to Yxy 58.9840, 0.3334, 0.2737 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, 233) }
```

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

```
.border{ border-color:rgb(255, 178, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 178, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 178, 233); box-shadow:4px 4px 4px 4px rgb(255, 178, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9840, 0.3334, 0.2737 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
178, 233) }
```

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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