

Converting Colors

$Y_{xy}(57.9112, 0.3534, 0.2975)$

Have a look what the booklet for
Yxy(57.9112, 0.3534, 0.2975)
contains.

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Color

Yxy(57.7042, 0.3536, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2D1
RGB	255, 178, 209
RGB Percent	100%, 70%, 82%
CMY	0.0000, 0.3020, 0.1804
CMYK	0.00, 0.30, 0.18, 0.00
HSL	336°, 100%, 85%
HSV	336°, 30%, 100%
XYZ	68.6779, 57.7042, 67.8427
YIQ	204.5570, 35.9410, 25.9650

Conversions

Conversions Part 2

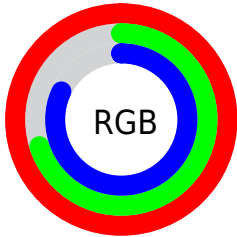
Format	Color
R _Y B	255, 178, 209
Decimal	16757457
CIE Lab	80.57, 32.41, -4.32
CIE LCh	81, 32.691, 352.415
Yxy	57.7042, 0.3536, 0.2971
Android (android.graphics.Color)	4294947537 (0xFFFFB2D1)
YUV	204.5570, 2.1904, 44.2385
Hunter-Lab	75.9633, 28.4449, 0.2225

Details

The Yxy color **57.7042, 0.3536, 0.2971** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.3649, 0.2844, 0.3636**, and the grayscale version is **60.7191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **28.6522, 0.3635, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **47.7611, 0.3731, 0.2862**, and if you desaturate by 10%, it is **69.5987, 0.3373, 0.3081**.

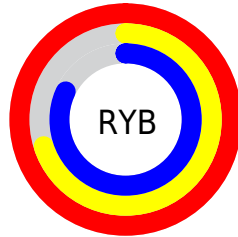
Distribution



Red (100%)

Green (70%)

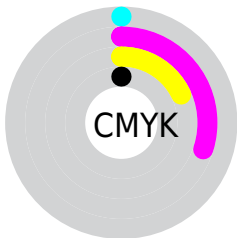
Blue (82%)



Red (100%)

Yellow (70%)

Blue (82%)

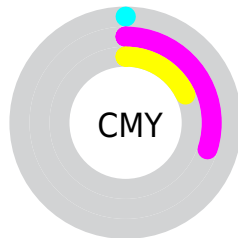


Cyan (0%)

Magenta (30%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7042, 0.3536, 0.2971 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 57.7042, 0.3536, 0.2971 by changing the saturation by 10% instead.

 57.7042, 0.3536,
0.2971

 57.7042, 0.3536,
0.2971


416.0828, 0.3340,
0.3122

 41.5709, 0.3582,
0.2936


 101.4920, 0.3467,
0.3024

 28.7654, 0.3640,
0.2892


129.9152, 0.3440,
0.3044

 18.9034, 0.3715,
0.2836


163.2039, 0.3418,
0.3062

 11.6005, 0.3816,
0.2761

201.7425, 0.3398,
0.3077

 6.4723, 0.3957,
0.2657

245.9152, 0.3381,
0.3090

 3.1343, 0.4170,
0.2504


296.1066, 0.3366,

 1.2023, 0.4527,

0.3102


0.2256


352.7010, 0.3352,
0.3112

 0.0636, 0.6622,
0.0494

 0.0000, 0.0000,
0.0000


 57.7042, 0.3536,
0.2971


 57.7042, 0.3536,
0.2971

 47.7611, 0.3731,
0.2862


 69.5987, 0.3373,
0.3081

 39.6727, 0.3962,
0.2762

 83.5531, 0.3239,
0.3187

 33.3186, 0.4228,
0.2679

99.6560, 0.3129,
0.3288

 28.5684, 0.4523,
0.2628

100.0000, 0.3127,
0.3290

■ 25.2728, 0.4834,
0.2620

■ 23.2540, 0.5139,
0.2666

■ 22.2332, 0.5415,
0.2757

Harmonies

Analogous

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



57.7042, 0.3106, 0.2726



57.7042, 0.3536, 0.2971



57.7042, 0.3864, 0.3295

Triad

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



57.7042, 0.3536, 0.2971



57.7042, 0.3520, 0.4057



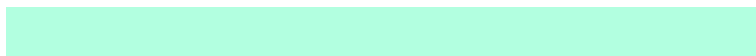
57.7042, 0.2343, 0.2857

Complementary

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



57.7042, 0.3536, 0.2971



86.3649, 0.2844, 0.3636

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.



57.7042, 0.2437, 0.3215



57.7042, 0.3536, 0.2971



57.7042, 0.3102, 0.3958

Square

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



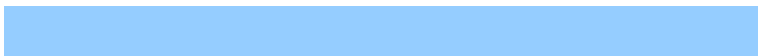
57.7042, 0.3536, 0.2971



57.7042, 0.3846, 0.3923



57.7042, 0.2709, 0.3634



57.7042, 0.2439, 0.2647

Rectangle

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



57.7042, 0.3536, 0.2971



57.7042, 0.3968, 0.3525



57.7042, 0.2709, 0.3634



57.7042, 0.2354, 0.2962

Sweetspot

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



57.7008, 0.3536, 0.2971



85.3698, 0.3225, 0.3200



54.7313, 0.2914, 0.2478



17.8019, 0.3242, 0.3185



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.



57.7008, 0.3536, 0.2971



51.7036, 0.3645, 0.2907



58.9248, 0.3791, 0.3359



18.1083, 0.3231, 0.3195



11.6450, 0.5373, 0.2733



1.1548, 0.5073, 0.2568

Inverse Universe

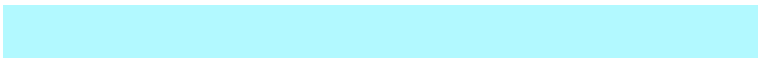
The Inverse Universe completely reimagines the original color for something new.



57.7008, 0.3536, 0.2971



51.7036, 0.3645, 0.2907



84.1775, 0.2683, 0.3219



18.1083, 0.3231, 0.3195



11.6450, 0.5373, 0.2733



1.1548, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 57.7042, 0.3536, 0.2971 looks on a white background.

Color Contrast Check

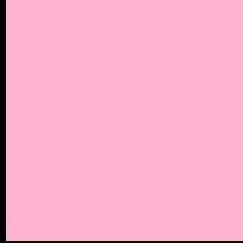
Large Text (above 18pt) WCAG AA × Fail

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 57.7042, 0.3536, 0.2971 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 57.7042, 0.3536, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 57.7042, 0.3536, 0.2971.



This preview shows how white text looks on a background with the Yxy color 57.7042, 0.3536, 0.2971.

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

57.7042, 0.3536, 0.2971

Protanopia

58.1265, 0.2958, 0.3022

Deuteranopia

57.7915, 0.3222, 0.3153



Tritanopia

57.8254, 0.3643, 0.3155

Trichromacy



Original Color

57.7042, 0.3536, 0.2971



Protanomaly

57.3314, 0.3157, 0.2998



Deuteranomaly

57.4604, 0.3335, 0.3081



Tritanomaly

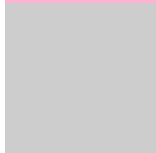
57.8369, 0.3610, 0.3093

Monochromacy



Original Color

57.7042, 0.3536, 0.2971



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

59.1744, 0.3269, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7042, 0.3536, 0.2971 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 209) }
```

Border

The CSS property to change the border of an element to Yxy 57.7042, 0.3536, 0.2971 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, 209) }
```

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

```
.border{ border-color:rgb(255, 178, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7042, 0.3536, 0.2971 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
178, 209) }
```

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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