

Converting Colors

$Y_{xy}(67.0451, 0.3208, 0.2973)$

Have a look what the booklet for
Yxy(67.0451, 0.3208, 0.2973)
contains.

Yxy(67.0015, 0.3211, 0.2969)	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(67.0015, 0.3211, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	F2CAE9
RGB	242, 202, 233
RGB Percent	95%, 79%, 91%
CMY	0.0507, 0.2079, 0.0863
CMYK	0.00, 0.17, 0.04, 0.05
HSL	314°, 61%, 87%
HSV	314°, 17%, 95%
XYZ	72.4627, 67.0015, 86.2060
YIQ	217.4940, 13.8890, 18.1210

Conversions

Conversions Part 2

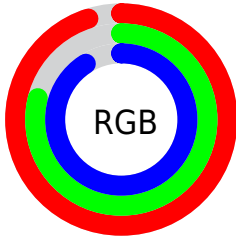
Format	Color
R _Y B	242, 202, 233
Decimal	15911657
CIE Lab	85.50, 19.25, -10.01
CIE LCh	86, 21.696, 332.514
Yxy	67.0015, 0.3211, 0.2969
Android (android.graphics.Color)	4294101737 (0xFFFF2CAE9)
YUV	217.4940, 7.6445, 21.4918
Hunter-Lab	81.8544, 14.7742, -5.1439

Details

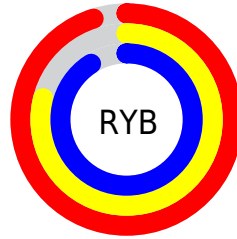
The Yxy color $67.0015, 0.3211, 0.2969$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $80.8017, 0.3053, 0.3634$, and the grayscale version is $69.6894, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.7932, 0.3236, 0.2903$ is the 20% darker color. If you saturate the color by 10%, you get $56.2155, 0.3272, 0.2768$, and if you desaturate by 10%, it is $79.5847, 0.3158, 0.3166$.

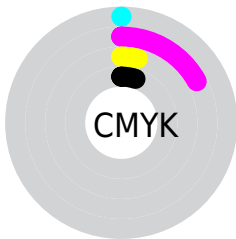
Distribution



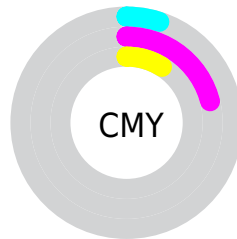
- Red (95%)
- Green (79%)
- Blue (91%)



- Red (95%)
- Yellow (79%)
- Blue (91%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (5%)





- Cyan (5%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0015, 0.3211, 0.2969 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 67.0015, 0.3211, 0.2969 by changing the saturation by 10% instead.

 67.0015, 0.3211,
0.2969

 67.0015, 0.3211,
0.2969

449.9501, 0.3174,
0.3116

 49.0858, 0.3219,
0.2936


114.9226, 0.3198,
0.3020

 34.6876, 0.3229,
0.2895


145.6968, 0.3193,
0.3039

 23.4223, 0.3242,
0.2844


181.5259, 0.3189,
0.3056

 14.9057, 0.3258,
0.2778

222.7945, 0.3185,
0.3071

 8.7532, 0.3279,
0.2688

269.8867, 0.3182,
0.3084

 4.5806, 0.3308,
0.2561


323.1872, 0.3179,

 2.0033, 0.3349,


0.3096


0.2368


383.0802, 0.3176,
0.3106

 0.6094, 0.3444,
0.1968


 0.0000, 0.0000,
0.0000


 67.0015, 0.3211,
0.2969


 67.0015, 0.3211,
0.2969


 56.2155, 0.3272,
0.2768

 79.5847, 0.3158,
0.3166


 47.1349, 0.3342,
0.2569

 94.0336, 0.3112,
0.3354

 39.6731, 0.3420,
0.2380

 97.2743, 0.3079,
0.3344

 33.7326, 0.3504,
0.2210

 97.6215, 0.3048,
0.3291

■ 29.2050, 0.3594,
0.2071

■ 97.6286, 0.3048,
0.3290

■ 25.9678, 0.3685,
0.1972

■ 23.8774, 0.3776,
0.1919

■ 22.7536, 0.3863,
0.1913

■ 22.4913, 0.3892,
0.1918

Harmonies

Analogous

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



67.0015, 0.2942, 0.2861



67.0015, 0.3211, 0.2969



67.0015, 0.3466, 0.3155

Triad

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



67.0015, 0.3211, 0.2969



67.0015, 0.3528, 0.3736



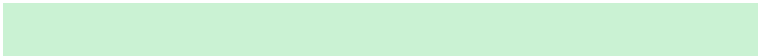
67.0015, 0.2648, 0.3167

Complementary

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



67.0015, 0.3211, 0.2969



80.8017, 0.3053, 0.3634

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.



67.0015, 0.2792, 0.3421



67.0015, 0.3211, 0.2969



67.0015, 0.3297, 0.3762

Square

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



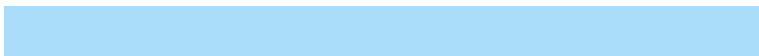
67.0015, 0.3211, 0.2969



67.0015, 0.3653, 0.3591



67.0015, 0.3028, 0.3646



67.0015, 0.2627, 0.2962

Rectangle

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



67.0015, 0.3211, 0.2969



67.0015, 0.3590, 0.3302



67.0015, 0.3028, 0.3646



67.0015, 0.2683, 0.3250

Sweetspot

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



67.0044, 0.3211, 0.2969



91.9489, 0.3150, 0.3195



62.4467, 0.2917, 0.2850



19.4478, 0.3154, 0.3182



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.



67.0044, 0.3211, 0.2969



70.9453, 0.3232, 0.2899



65.9423, 0.3357, 0.3171



15.9667, 0.3172, 0.3109



12.0970, 0.3878, 0.1910



1.0211, 0.3772, 0.1852

Inverse Universe

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



67.0044, 0.3211, 0.2969



70.9453, 0.3232, 0.2899



81.8494, 0.2940, 0.3413



15.9667, 0.3172, 0.3109



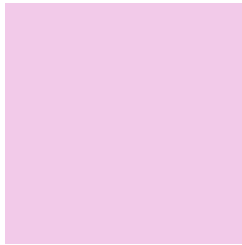
12.0970, 0.3878, 0.1910



1.0211, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 67.0015, 0.3211, 0.2969 looks on a white background.

Color Contrast Check

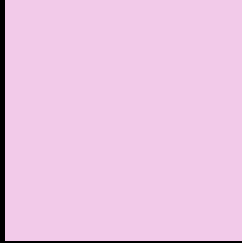
Large Text (above 18pt) WCAG AA × Fail

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 67.0015, 0.3211, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

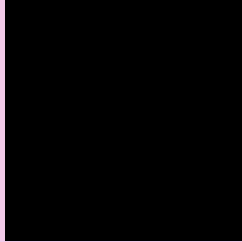
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0015, 0.3211, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 67.0015, 0.3211, 0.2969.



This preview shows how white text looks on a background with the Yxy color 67.0015, 0.3211, 0.2969.

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

67.0015, 0.3211, 0.2969

Protanopia

67.0799, 0.2929, 0.2983

Deuteranopia

67.1067, 0.3095, 0.3033



Tritanopia

66.8783, 0.3288, 0.3122

Trichromacy



Original Color

67.0015, 0.3211, 0.2969

Protanomaly

66.7558, 0.3032, 0.2978

Deuteranomaly

67.1246, 0.3140, 0.3015

Tritanomaly

66.8489, 0.3260, 0.3060

Monochromacy



Original Color

67.0015, 0.3211, 0.2969

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.7456, 0.3162, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0015, 0.3211, 0.2969 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(242, 202, 233)` looks like.

```
.text, #text, p{  
    color:rgb(242, 202, 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(242, 202, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 202, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.0015, 0.3211, 0.2969 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(242, 202, 233) }
```

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

```
.border{ border-color:rgb(242, 202, 233) }
```

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

Here you see how a box with a 4 pixel rgb(242, 202, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 202, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 202, 233);  
box-shadow:4px 4px 4px 4px rgb(242, 202,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0015, 0.3211, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 202, 233) }
```

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

```
.background{ background-color: rgb(242,  
202, 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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