

Converting Colors

$Yxy(68.5268, 0.3195, 0.3018)$

Have a look what the booklet for
Yxy(68.5268, 0.3195, 0.3018)
contains.

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Color

Yxy(68.4941, 0.3200, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	F0CEE8
RGB	240, 206, 232
RGB Percent	94%, 81%, 91%
CMY	0.0587, 0.1922, 0.0902
CMYK	0.00, 0.14, 0.03, 0.06
HSL	314°, 53%, 87%
HSV	314°, 14%, 94%
XYZ	72.5765, 68.4941, 85.7310
YIQ	219.1300, 11.9180, 15.2940

Conversions

Conversions Part 2

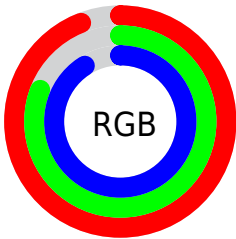
Format	Color
R_{YB}	240, 206, 232
Decimal	15781608
CIE _{Lab}	86.25, 16.26, -8.38
CIE _{LCh}	86, 18.295, 332.728
Yxy	68.4941, 0.3200, 0.3020
Android (android.graphics.Color)	4293971688 (0xFFFF0CEE8)
YUV	219.1300, 6.3449, 18.3030
Hunter-Lab	82.7612, 11.7017, -3.4848

Details

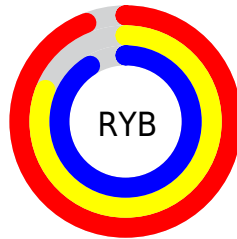
The Yxy color **68.4941, 0.3200, 0.3020** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.3129, 0.3062, 0.3576**, and the grayscale version is **70.8853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7814, 0.3221, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **57.4926, 0.3262, 0.2822**, and if you desaturate by 10%, it is **81.2767, 0.3147, 0.3212**.

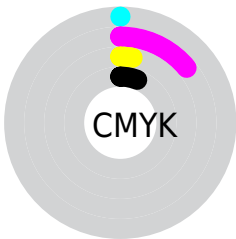
Distribution



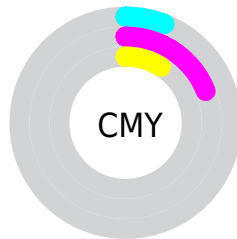
- Red (94%)
- Green (81%)
- Blue (91%)



- Red (94%)
- Yellow (81%)
- Blue (91%)



- Cyan (0%)
- Magenta (14%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4941, 0.3200, 0.3020 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 68.4941, 0.3200, 0.3020 by changing the saturation by 10% instead.


 68.4941, 0.3200,
0.3020

 68.4941, 0.3200,
0.3020


455.2447, 0.3167,
0.3144

 50.2998, 0.3207,
0.2992

117.0587, 0.3189,
0.3063

 35.6517, 0.3216,
0.2958


148.1978, 0.3184,
0.3079

 24.1653, 0.3227,
0.2915


184.4207, 0.3181,
0.3094

 15.4563, 0.3241,
0.2858

226.1116, 0.3177,
0.3106

 9.1402, 0.3260,
0.2783

273.6551, 0.3174,
0.3117

 4.8328, 0.3286,
0.2675

327.4355, 0.3172,

 2.1495, 0.3325,

0.3127

0.2510

387.8372, 0.3169,
0.3136

0.6922, 0.3401,
0.2193

0.0000, 0.0196,
0.0000

68.4941, 0.3200,
0.3020

68.4941, 0.3200,
0.3020

57.4926, 0.3262,
0.2822

81.2767, 0.3147,
0.3212

48.1832, 0.3332,
0.2624

95.9061, 0.3102,
0.3395

40.4830, 0.3411,
0.2434

96.8887, 0.3069,
0.3349

34.2983, 0.3498,
0.2261

97.2477, 0.3037,
0.3293

■ 29.5259, 0.3590,
0.2115

■ 97.2696, 0.3036,
0.3290

■ 26.0495, 0.3686,
0.2006

■ 23.7344, 0.3782,
0.1944

■ 22.4159, 0.3875,
0.1929

■ 21.9630, 0.3927,
0.1937

Harmonies

Analogous

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



68.4941, 0.2974, 0.2928



68.4941, 0.3200, 0.3020



68.4941, 0.3412, 0.3178

Triad

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



68.4941, 0.3200, 0.3020



68.4941, 0.3462, 0.3664



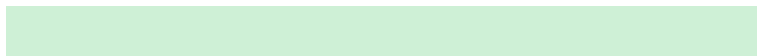
68.4941, 0.2723, 0.3188

Complementary

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



68.4941, 0.3200, 0.3020



80.3129, 0.3062, 0.3576

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.



68.4941, 0.2845, 0.3399



68.4941, 0.3200, 0.3020



68.4941, 0.3269, 0.3682

Square

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



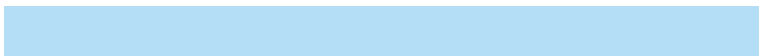
68.4941, 0.3200, 0.3020



68.4941, 0.3566, 0.3546



68.4941, 0.3044, 0.3584



68.4941, 0.2706, 0.3016

Rectangle

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



68.4941, 0.3200, 0.3020



68.4941, 0.3515, 0.3304



68.4941, 0.3044, 0.3584



68.4941, 0.2753, 0.3257

Sweetspot

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



68.4971, 0.3200, 0.3020



93.5097, 0.3146, 0.3215



64.7214, 0.2955, 0.2919



19.7619, 0.3150, 0.3201



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.



68.4971, 0.3200, 0.3020



74.7503, 0.3217, 0.2963



67.5815, 0.3323, 0.3195



15.9638, 0.3174, 0.3111



12.0418, 0.3913, 0.1929



1.0170, 0.3801, 0.1868

Inverse Universe

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



68.4971, 0.3200, 0.3020



74.7503, 0.3217, 0.2963



81.2230, 0.2963, 0.3388



15.9638, 0.3174, 0.3111



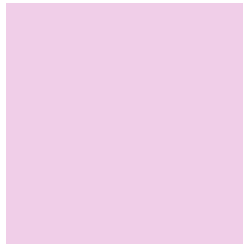
12.0418, 0.3913, 0.1929



1.0170, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 68.4941, 0.3200, 0.3020 looks on a white background.

Color Contrast Check

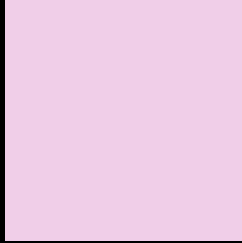
Large Text (above 18pt) WCAG AA × Fail

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 68.4941, 0.3200, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

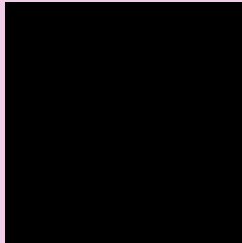
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4941, 0.3200, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 68.4941, 0.3200, 0.3020.



This preview shows how white text looks on a background with the Yxy color 68.4941, 0.3200, 0.3020.

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

68.4941, 0.3200, 0.3020

Protanopia

68.5037, 0.2976, 0.3040

Deuteranopia

68.6857, 0.3130, 0.3067



Tritanopia

68.3582, 0.3249, 0.3112

Trichromacy



Original Color

68.4941, 0.3200, 0.3020

Protanomaly

68.2747, 0.3052, 0.3032

Deuteranomaly

68.8629, 0.3160, 0.3058

Tritanomaly

68.5224, 0.3227, 0.3081

Monochromacy



Original Color

68.4941, 0.3200, 0.3020

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.8058, 0.3154, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4941, 0.3200, 0.3020 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(240, 206, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 206, 232)  
}
```

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(240, 206, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 206, 232) }
```

Border

The CSS property to change the border of an element to Yxy 68.4941, 0.3200, 0.3020 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(240, 206, 232) }
```

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

```
.border{ border-color:rgb(240, 206, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 206, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 206, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 206, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 206,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4941, 0.3200, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 206, 232) }
```

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

```
.background{ background-color: rgb(240,  
206, 232) }
```

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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