

Converting Colors

$Yxy(66.2862, 0.3382, 0.2891)$

Have a look what the booklet for
Yxy(66.2862, 0.3382, 0.2891)
contains.

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Color

Yxy(64.8425, 0.3320, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	FFC0E9
RGB	255, 192, 233
RGB Percent	100%, 75%, 91%
CMY	0.0000, 0.2471, 0.0863
CMYK	0.00, 0.25, 0.09, 0.00
HSL	321°, 100%, 88%
HSV	321°, 25%, 100%
XYZ	74.8009, 64.8425, 85.6606
YIQ	215.5110, 24.3870, 26.1070

Conversions

Conversions Part 2

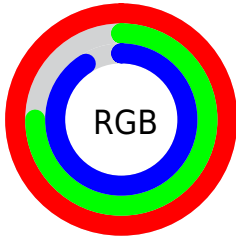
Format	Color
R_{YB}	255, 192, 233
Decimal	16761065
CIE _{Lab}	84.40, 28.86, -11.52
CIE _{LCh}	84, 31.075, 338.234
Yxy	64.8425, 0.3320, 0.2878
Android (android.graphics.Color)	4294951145 (0xFFFFC0E9)
YUV	215.5110, 8.6221, 34.6319
Hunter-Lab	80.5248, 24.8933, -6.7040

Details

The Yxy color $64.8425, 0.3320, 0.2878$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.5818, 0.2975, 0.3742$, and the grayscale version is $68.2465, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.2314, 0.3130, 0.3233$, and $33.3570, 0.3371, 0.2790$ is the 20% darker color. If you saturate the color by 10%, you get $54.1015, 0.3422, 0.2706$, and if you desaturate by 10%, it is $77.5491, 0.3232, 0.3049$.

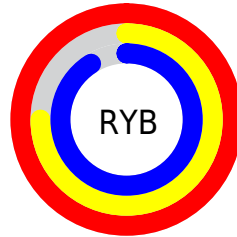
Distribution



Red (100%)

Green (75%)

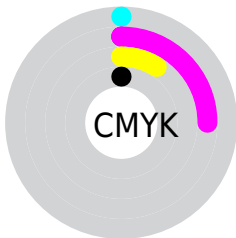
Blue (91%)



Red (100%)

Yellow (75%)

Blue (91%)

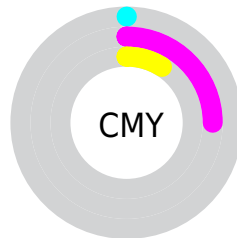


Cyan (0%)

Magenta (25%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8425, 0.3320, 0.2878 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 64.8425, 0.3320, 0.2878 by changing the saturation by 10% instead.

 64.8425, 0.3320,
0.2878

 64.8425, 0.3320,
0.2878


442.2258, 0.3232,
0.3066

 47.3334, 0.3340,
0.2836


 111.8234, 0.3290,
0.2943

 33.2993, 0.3364,
0.2784


142.0640, 0.3278,
0.2968

 22.3558, 0.3394,
0.2719


177.3171, 0.3268,
0.2990

 14.1186, 0.3433,
0.2635

217.9673, 0.3259,
0.3009

 8.2032, 0.3486,
0.2523

264.3988, 0.3251,
0.3026

 4.2252, 0.3560,
0.2365

316.9962, 0.3244,

 1.8003, 0.3672,

0.3040

0.2126

376.1437, 0.3238,
0.3054

0.4874, 0.3927,
0.1580

0.0000, 0.4688,
0.0000

64.8425, 0.3320,
0.2878

64.8425, 0.3320,
0.2878

54.1015, 0.3422,
0.2706

77.5491, 0.3232,
0.3049

45.2257, 0.3540,
0.2539

92.3145, 0.3158,
0.3215

38.1057, 0.3673,
0.2388

100.0000, 0.3127,
0.3290

32.6207, 0.3818,
0.2264

■ 28.6344, 0.3972,
0.2178

■ 25.9884, 0.4130,
0.2140

■ 24.4878, 0.4284,
0.2154

■ 24.0109, 0.4363,
0.2177

Harmonies

Analogous

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



64.8425, 0.2927, 0.2702



64.8425, 0.3320, 0.2878



64.8425, 0.3678, 0.3150

Triad

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



64.8425, 0.3320, 0.2878



64.8425, 0.3646, 0.3957



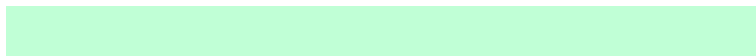
64.8425, 0.2426, 0.3038

Complementary

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



64.8425, 0.3320, 0.2878



87.5818, 0.2975, 0.3742

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.



64.8425, 0.2594, 0.3405



64.8425, 0.3320, 0.2878



64.8425, 0.3292, 0.3969

Square

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



64.8425, 0.3320, 0.2878



64.8425, 0.3869, 0.3762



64.8425, 0.2907, 0.3762



64.8425, 0.2431, 0.2773

Rectangle

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



64.8425, 0.3320, 0.2878



64.8425, 0.3838, 0.3359



64.8425, 0.2907, 0.3762



64.8425, 0.2463, 0.3153

Sweetspot

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



64.8425, 0.3320, 0.2878



88.7402, 0.3174, 0.3178



59.0657, 0.2847, 0.2613



18.7968, 0.3178, 0.3168



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.



64.8425, 0.3320, 0.2878



58.9172, 0.3372, 0.2787



63.2475, 0.3563, 0.3183



18.1863, 0.3192, 0.3136



12.5755, 0.4339, 0.2164



1.2451, 0.4176, 0.2074

Inverse Universe

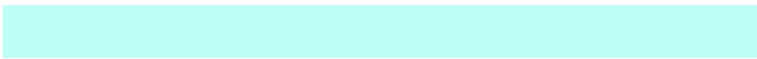
The Inverse Universe completely reimagines the original color for something new.



64.8425, 0.3320, 0.2878



58.9172, 0.3372, 0.2787



89.2886, 0.2815, 0.3401



18.1863, 0.3192, 0.3136



12.5755, 0.4339, 0.2164



1.2451, 0.4176, 0.2074

Previews

White Background



This preview shows how the Yxy color 64.8425, 0.3320, 0.2878 looks on a white background.

Color Contrast Check

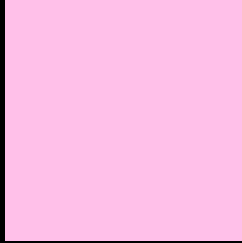
Large Text (above 18pt) WCAG AA × Fail

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 64.8425, 0.3320, 0.2878 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 64.8425, 0.3320, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 64.8425, 0.3320, 0.2878.



This preview shows how white text looks on a background with the Yxy color 64.8425, 0.3320, 0.2878.

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

64.8425, 0.3320, 0.2878

Protanopia

65.1117, 0.2868, 0.2904

Deuteranopia

64.9618, 0.3073, 0.3008



Tritanopia

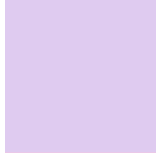
64.8785, 0.3463, 0.3136

Trichromacy



Original Color

64.8425, 0.3320, 0.2878



Protanomaly

64.6911, 0.3020, 0.2894



Deuteranomaly

64.6272, 0.3158, 0.2952



Tritanomaly

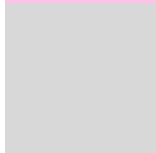
65.0273, 0.3409, 0.3045

Monochromacy



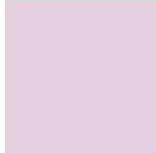
Original Color

64.8425, 0.3320, 0.2878



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.7226, 0.3195, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8425, 0.3320, 0.2878 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, 192, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 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, 192, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 233) }
```

Border

The CSS property to change the border of an element to Yxy 64.8425, 0.3320, 0.2878 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, 192, 233) }
```

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

```
.border{ border-color:rgb(255, 192, 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, 192, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8425, 0.3320, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 233) }
```

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

```
.background{ background-color: rgb(255,  
192, 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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