

Converting Colors

$Y_{xy}(64.2230, 0.3361, 0.2920)$

Have a look what the booklet for
Yxy(64.2230, 0.3361, 0.2920)
contains.

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Color

Yxy(64.1230, 0.3360, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFE4
RGB	255, 191, 228
RGB Percent	100%, 75%, 89%
CMY	0.0000, 0.2510, 0.1058
CMYK	0.00, 0.25, 0.11, 0.00
HSL	325°, 100%, 87%
HSV	325°, 25%, 100%
XYZ	73.8866, 64.1230, 81.8910
YIQ	214.3540, 26.2670, 25.0750

Conversions

Conversions Part 2

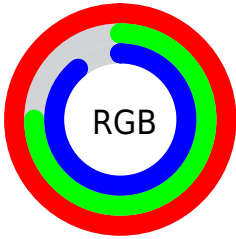
Format	Color
R _Y B	255, 191, 228
Decimal	16760804
CIE Lab	84.03, 28.58, -9.42
CIE LCh	84, 30.089, 341.763
Yxy	64.1230, 0.3360, 0.2916
Android (android.graphics.Color)	4294950884 (0xFFFFBFE4)
YUV	214.3540, 6.7275, 35.6465
Hunter-Lab	80.0768, 24.5668, -4.5794

Details

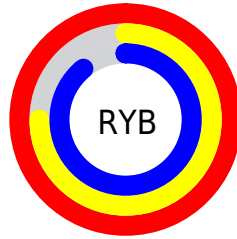
The Yxy color $64.1230, 0.3360, 0.2916$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.6552, 0.2948, 0.3697$, and the grayscale version is $67.4313, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $32.9142, 0.3415, 0.2826$ is the 20% darker color. If you saturate the color by 10%, you get $53.3698, 0.3484, 0.2761$, and if you desaturate by 10%, it is $76.8398, 0.3254, 0.3070$.

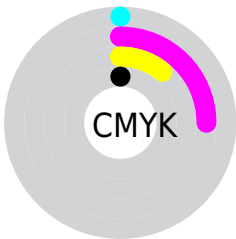
Distribution



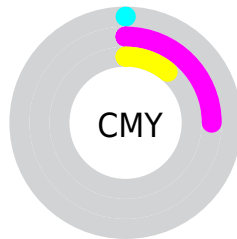
- Red (100%)
- Green (75%)
- Blue (89%)



- Red (100%)
- Yellow (75%)
- Blue (89%)



- Cyan (0%)
- Magenta (25%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1230, 0.3360, 0.2916 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 64.1230, 0.3360, 0.2916 by changing the saturation by 10% instead.


 64.1230, 0.3360,
0.2916

 64.1230, 0.3360,
0.2916

439.6337, 0.3253,
0.3087

 46.7503, 0.3384,
0.2877


 110.7881, 0.3323,
0.2975

 32.8383, 0.3415,
0.2830


140.8492, 0.3308,
0.2998

 22.0026, 0.3453,
0.2770


175.9086, 0.3296,
0.3018

 13.8588, 0.3503,
0.2692

216.3507, 0.3285,
0.3036

 8.0225, 0.3571,
0.2586

262.5599, 0.3275,
0.3051

 4.1094, 0.3668,
0.2437

314.9205, 0.3267,

 1.7349, 0.3820,

0.3064

0.2209

373.8170, 0.3259,
0.3077

0.4461, 0.4187,
0.1619

0.0000, 1.0000,
0.0000

64.1230, 0.3360,
0.2916

64.1230, 0.3360,
0.2916

53.3698, 0.3484,
0.2761

76.8398, 0.3254,
0.3070

44.4937, 0.3629,
0.2612

91.6283, 0.3166,
0.3218

37.3796, 0.3794,
0.2477

100.0000, 0.3127,
0.3290

31.9060, 0.3976,
0.2368

■ 27.9355, 0.4172,
0.2298

■ 25.3082, 0.4373,
0.2278

■ 23.8270, 0.4570,
0.2311

■ 23.3823, 0.4664,
0.2343

Harmonies

Analogous

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



64.1230, 0.2975, 0.2732



64.1230, 0.3360, 0.2916



64.1230, 0.3696, 0.3189

Triad

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



64.1230, 0.3360, 0.2916



64.1230, 0.3597, 0.3951



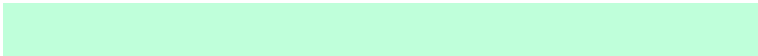
64.1230, 0.2436, 0.3009

Complementary

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



64.1230, 0.3360, 0.2916



87.6552, 0.2948, 0.3697

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.



64.1230, 0.2581, 0.3358



64.1230, 0.3360, 0.2916



64.1230, 0.3243, 0.3936

Square

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



64.1230, 0.3360, 0.2916



64.1230, 0.3832, 0.3779



64.1230, 0.2872, 0.3712



64.1230, 0.2461, 0.2767

Rectangle

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



64.1230, 0.3360, 0.2916



64.1230, 0.3836, 0.3395



64.1230, 0.2872, 0.3712



64.1230, 0.2466, 0.3117

Sweetspot

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



64.1182, 0.3360, 0.2916



87.1263, 0.3190, 0.3175



59.3289, 0.2880, 0.2609



18.1633, 0.3203, 0.3153



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.



64.1182, 0.3360, 0.2916



58.6144, 0.3418, 0.2840



62.5162, 0.3617, 0.3236



18.1633, 0.3203, 0.3153



12.2483, 0.4633, 0.2326



1.2144, 0.4426, 0.2212

Inverse Universe

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



64.1182, 0.3360, 0.2916



58.6144, 0.3418, 0.2840



89.4759, 0.2784, 0.3346



18.1633, 0.3203, 0.3153



12.2483, 0.4633, 0.2326



1.2144, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 64.1230, 0.3360, 0.2916 looks on a white background.

Color Contrast Check

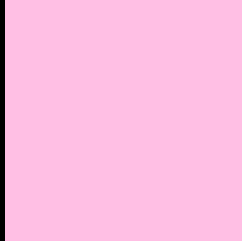
Large Text (above 18pt) WCAG AA × Fail

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 64.1230, 0.3360, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

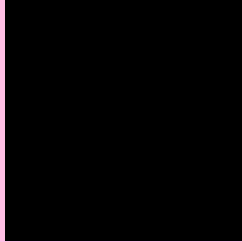
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1230, 0.3360, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 64.1230, 0.3360, 0.2916.



This preview shows how white text looks on a background with the Yxy color 64.1230, 0.3360, 0.2916.

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

64.1230, 0.3360, 0.2916

Protanopia

64.3229, 0.2899, 0.2946

Deuteranopia

64.3647, 0.3116, 0.3050



Tritanopia

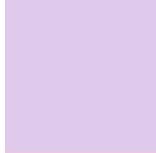
64.0697, 0.3490, 0.3136

Trichromacy



Original Color

64.1230, 0.3360, 0.2916



Protanomaly

63.9272, 0.3054, 0.2934



Deuteranomaly

64.0551, 0.3203, 0.2993



Tritanomaly

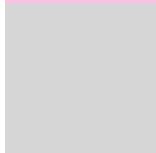
64.1686, 0.3444, 0.3055

Monochromacy



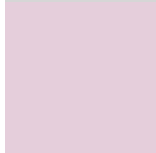
Original Color

64.1230, 0.3360, 0.2916



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.9151, 0.3210, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1230, 0.3360, 0.2916 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, 191, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 228)  
}
```

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, 191, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 228) }
```

Border

The CSS property to change the border of an element to Yxy 64.1230, 0.3360, 0.2916 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, 191, 228) }
```

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

```
.border{ border-color:rgb(255, 191, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1230, 0.3360, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 228) }
```

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

```
.background{ background-color: rgb(255,  
191, 228) }
```

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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