

Converting Colors

Yxy(64.8810, 0.3238, 0.2960)

Have a look what the booklet for
Yxy(64.8810, 0.3238, 0.2960)
contains.

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Color

Yxy(64.9786, 0.3236, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	F2C6E6
RGB	242, 198, 230
RGB Percent	95%, 78%, 90%
CMY	0.0508, 0.2236, 0.0980
CMYK	0.00, 0.18, 0.05, 0.05
HSL	316°, 63%, 86%
HSV	316°, 18%, 95%
XYZ	71.1095, 64.9786, 83.6569
YIQ	214.8040, 15.9520, 19.2800

Conversions

Conversions Part 2

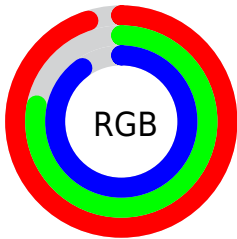
Format	Color
R _Y B	242, 198, 230
Decimal	15910630
CIE Lab	84.47, 20.83, -9.95
CIE LCh	84, 23.089, 334.470
Yxy	64.9786, 0.3236, 0.2957
Android (android.graphics.Color)	4294100710 (0xFFFF2C6E6)
YUV	214.8040, 7.4916, 23.8509
Hunter-Lab	80.6093, 16.3975, -5.1051

Details

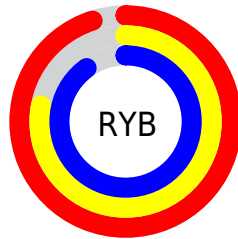
The Yxy color $64.9786, 0.3236, 0.2957$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $80.1978, 0.3033, 0.3648$, and the grayscale version is $67.7607, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.4416, 0.3269, 0.2888$ is the 20% darker color. If you saturate the color by 10%, you get $54.4221, 0.3310, 0.2767$, and if you desaturate by 10%, it is $77.3232, 0.3172, 0.3143$.

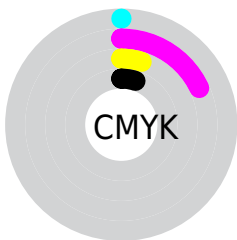
Distribution



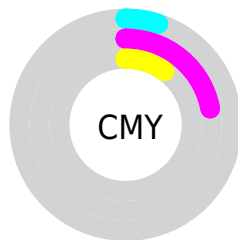
- Red (95%)
- Green (78%)
- Blue (90%)



- Red (95%)
- Yellow (78%)
- Blue (90%)



- Cyan (0%)
- Magenta (18%)
- Yellow (5%)
- Black (5%)



- Cyan (5%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9786, 0.3236, 0.2957 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 64.9786, 0.3236, 0.2957 by changing the saturation by 10% instead.

 64.9786, 0.3236,
0.2957

 64.9786, 0.3236,
0.2957


442.7151, 0.3187,
0.3110

 47.4437, 0.3247,
0.2922


112.0191, 0.3219,
0.3010

 33.3866, 0.3261,
0.2880


142.2935, 0.3212,
0.3030

 22.4228, 0.3277,
0.2826


177.5832, 0.3207,
0.3048

 14.1679, 0.3299,
0.2756

218.2726, 0.3202,
0.3064

 8.2375, 0.3328,
0.2662

264.7461, 0.3197,
0.3077

 4.2473, 0.3369,
0.2527


317.3881, 0.3193,

 1.8128, 0.3430,


0.3089


0.2320


376.5829, 0.3190,
0.3100


 0.4952, 0.3598,
0.1805


 0.0000, 0.0000,
0.0000


 64.9786, 0.3236,
0.2957


 64.9786, 0.3236,
0.2957


 54.4221, 0.3310,
0.2767

 77.3232, 0.3172,
0.3143

 45.5610, 0.3395,
0.2579

 91.5257, 0.3118,
0.3321

 38.3075, 0.3490,
0.2402

 97.3014, 0.3077,
0.3340

 32.5624, 0.3595,
0.2245

 97.6276, 0.3048,
0.3290

■ 28.2152, 0.3706,
0.2119

■ 25.1404, 0.3821,
0.2034

■ 23.1900, 0.3935,
0.1998

■ 22.1571, 0.4045,
0.2009

■ 22.0158, 0.4065,
0.2013

Harmonies

Analogous

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



64.9786, 0.2946, 0.2835



64.9786, 0.3236, 0.2957



64.9786, 0.3507, 0.3159

Triad

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



64.9786, 0.3236, 0.2957



64.9786, 0.3544, 0.3776



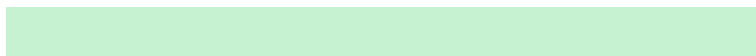
64.9786, 0.2608, 0.3140

Complementary

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



64.9786, 0.3236, 0.2957



80.1978, 0.3033, 0.3648

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.



64.9786, 0.2754, 0.3413



64.9786, 0.3236, 0.2957



64.9786, 0.3290, 0.3795

Square

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



64.9786, 0.3236, 0.2957



64.9786, 0.3688, 0.3625



64.9786, 0.3001, 0.3661



64.9786, 0.2594, 0.2926

Rectangle

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



64.9786, 0.3236, 0.2957



64.9786, 0.3635, 0.3318



64.9786, 0.3001, 0.3661



64.9786, 0.2643, 0.3228

Sweetspot

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



64.9815, 0.3236, 0.2957



91.9106, 0.3154, 0.3201



60.4580, 0.2910, 0.2804



19.4385, 0.3158, 0.3188



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.



64.9815, 0.3236, 0.2957



68.3315, 0.3263, 0.2884



63.8355, 0.3401, 0.3181



15.9533, 0.3180, 0.3120



11.8448, 0.4047, 0.2003



1.0020, 0.3912, 0.1928

Inverse Universe

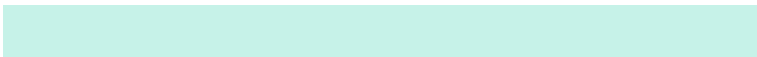
The Inverse Universe completely reimagines the original color for something new.



64.9815, 0.3236, 0.2957



68.3315, 0.3263, 0.2884



81.3560, 0.2910, 0.3402



15.9533, 0.3180, 0.3120



11.8448, 0.4047, 0.2003



1.0020, 0.3912, 0.1928

Previews

White Background



This preview shows how the Yxy color 64.9786, 0.3236, 0.2957 looks on a white background.

Color Contrast Check

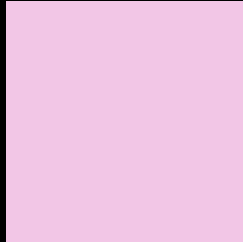
Large Text (above 18pt) WCAG AA × Fail

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 64.9786, 0.3236, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

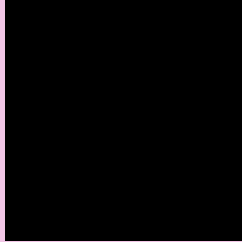
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9786, 0.3236, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 64.9786, 0.3236, 0.2957.



This preview shows how white text looks on a background with the Yxy color 64.9786, 0.3236, 0.2957.

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

64.9786, 0.3236, 0.2957

Protanopia

64.9808, 0.2926, 0.2979

Deuteranopia

65.0078, 0.3095, 0.3029



Tritanopia

64.7917, 0.3323, 0.3121

Trichromacy



Original Color

64.9786, 0.3236, 0.2957

Protanomaly

64.8188, 0.3038, 0.2975

Deuteranomaly

64.7212, 0.3148, 0.3001

Tritanomaly

64.7681, 0.3294, 0.3059

Monochromacy



Original Color

64.9786, 0.3236, 0.2957

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.7758, 0.3170, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9786, 0.3236, 0.2957 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, 198, 230)` looks like.

```
.text, #text, p{  
    color:rgb(242, 198, 230)  
}
```

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, 198, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 198, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.9786, 0.3236, 0.2957 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, 198, 230) }
```

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

```
.border{ border-color:rgb(242, 198, 230) }
```

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

Here you see how a box with a 4 pixel rgb(242, 198, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 198, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 198, 230);  
box-shadow:4px 4px 4px 4px rgb(242, 198,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9786, 0.3236, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 198, 230) }
```

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

```
.background{ background-color: rgb(242,  
198, 230) }
```

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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