

Converting Colors

$Y_{xy}(79.6569, 0.3804, 0.2894)$

Have a look what the booklet for
Yxy(79.6569, 0.3804, 0.2894)
contains.

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Color

Yxy(64.2600, 0.3283, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEEE
RGB	255, 190, 238
RGB Percent	100%, 75%, 93%
CMY	0.0002, 0.2548, 0.0666
CMYK	0.00, 0.25, 0.07, 0.00
HSL	316°, 100%, 87%
HSV	316°, 25%, 100%
XYZ	75.0767, 64.2600, 89.3466
YIQ	214.9070, 23.3320, 28.7080

Conversions

Conversions Part 2

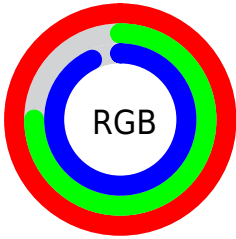
Format	Color
R_{YB}	255, 190, 238
Decimal	16760558
CIE _{Lab}	84.10, 30.73, -14.65
CIE _{LCh}	84, 34.041, 334.502
Yxy	64.2600, 0.3283, 0.2810
Android (android.graphics.Color)	4294950638 (0xFFFFBEEE)
YUV	214.9070, 11.3848, 35.1616
Hunter-Lab	80.1623, 26.8916, -9.9692

Details

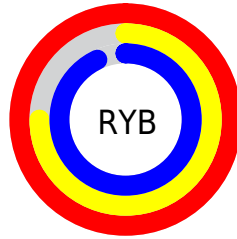
The Yxy color $64.2600, 0.3283, 0.2810$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.9483, 0.3001, 0.3824$, and the grayscale version is $67.7997, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.0015, 0.3131, 0.3214$, and $32.9915, 0.3322, 0.2704$ is the 20% darker color. If you saturate the color by 10%, you get $53.7821, 0.3362, 0.2618$, and if you desaturate by 10%, it is $76.6899, 0.3214, 0.3003$.

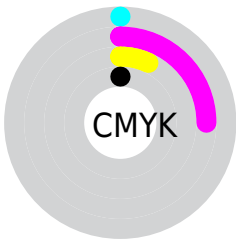
Distribution



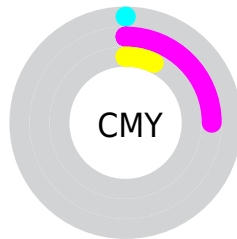
- Red (100%)
- Green (75%)
- Blue (93%)



- Red (100%)
- Yellow (75%)
- Blue (93%)



- Cyan (0%)
- Magenta (25%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2600, 0.3283, 0.2810 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 64.2600, 0.3283, 0.2810 by changing the saturation by 10% instead.


 64.2600, 0.3283,
0.2810

 64.2600, 0.3283,
0.2810


440.1279, 0.3214,
0.3028

 46.8613, 0.3298,
0.2761

 110.9853, 0.3259,
0.2885

 32.9260, 0.3317,
0.2702


141.0807, 0.3250,
0.2914

 22.0698, 0.3339,
0.2628


176.1771, 0.3242,
0.2939

 13.9082, 0.3368,
0.2532

216.6588, 0.3235,
0.2961

 8.0568, 0.3406,
0.2404

262.9104, 0.3229,
0.2981

 4.1313, 0.3458,
0.2227


315.3162, 0.3223,


 1.7473, 0.3530,

0.2998

0.1963


374.2606, 0.3218,
0.3014


 0.4540, 0.3708,
0.1369


 0.0000, 0.2921,
0.0000


 64.2600, 0.3283,
0.2810


 64.2600, 0.3283,
0.2810

 53.7821, 0.3362,
0.2618


 76.6899, 0.3214,
0.3003

 45.1468, 0.3450,
0.2433

 91.1567, 0.3156,
0.3191

 38.2472, 0.3548,
0.2267

99.9925, 0.3127,
0.3290

 32.9616, 0.3652,
0.2130

■ 29.1528, 0.3761,
0.2032

■ 26.6603, 0.3869,
0.1980

■ 25.2859, 0.3974,
0.1978

■ 24.9020, 0.4021,
0.1989

Harmonies

Analogous

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



64.2600, 0.2856, 0.2635



64.2600, 0.3283, 0.2810



64.2600, 0.3691, 0.3094

Triad

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



64.2600, 0.3283, 0.2810



64.2600, 0.3735, 0.4004



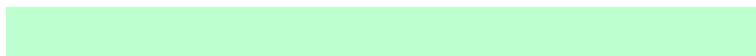
64.2600, 0.2374, 0.3055

Complementary

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



64.2600, 0.3283, 0.2810



86.9483, 0.3001, 0.3824

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.



64.2600, 0.2578, 0.3468



64.2600, 0.3283, 0.2810



64.2600, 0.3357, 0.4052

Square

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



64.2600, 0.3283, 0.2810



64.2600, 0.3957, 0.3766



64.2600, 0.2934, 0.3852



64.2600, 0.2356, 0.2750

Rectangle

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



64.2600, 0.3283, 0.2810



64.2600, 0.3884, 0.3319



64.2600, 0.2934, 0.3852



64.2600, 0.2422, 0.3186

Sweetspot

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



64.2629, 0.3283, 0.2810



87.3297, 0.3170, 0.3144



57.2124, 0.2798, 0.2582



18.2147, 0.3178, 0.3116



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.



64.2629, 0.3283, 0.2810



58.2530, 0.3325, 0.2703



62.5576, 0.3536, 0.3124



18.2147, 0.3178, 0.3116



13.0422, 0.4004, 0.1980



1.2878, 0.3893, 0.1918

Inverse Universe

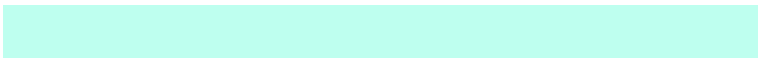
The Inverse Universe completely reimagines the original color for something new.



64.2629, 0.3283, 0.2810



58.2530, 0.3325, 0.2703



88.6607, 0.2834, 0.3464



18.2147, 0.3178, 0.3116



13.0422, 0.4004, 0.1980



1.2878, 0.3893, 0.1918

Previews

White Background



This preview shows how the Yxy color 64.2600, 0.3283, 0.2810 looks on a white background.

Color Contrast Check

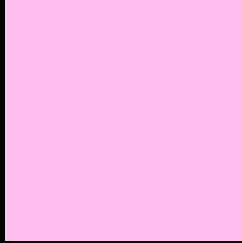
Large Text (above 18pt) WCAG AA × Fail

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 64.2600, 0.3283, 0.2810 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 64.2600, 0.3283, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 64.2600, 0.3283, 0.2810.



This preview shows how white text looks on a background with the Yxy color 64.2600, 0.3283, 0.2810.

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

64.2600, 0.3283, 0.2810

Protanopia

64.4314, 0.2805, 0.2828

Deuteranopia

64.7209, 0.3024, 0.2964



Tritanopia

64.1926, 0.3464, 0.3135

Trichromacy



Original Color

64.2600, 0.3283, 0.2810



Protanomaly

63.7993, 0.2965, 0.2809



Deuteranomaly

64.5205, 0.3115, 0.2909



Tritanomaly

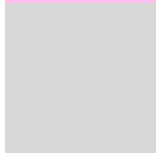
64.0027, 0.3396, 0.3013

Monochromacy



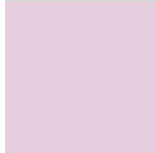
Original Color

64.2600, 0.3283, 0.2810



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.2933, 0.3189, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2600, 0.3283, 0.2810 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, 190, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 238)  
}
```

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, 190, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 238) }
```

Border

The CSS property to change the border of an element to Yxy 64.2600, 0.3283, 0.2810 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, 190, 238) }
```

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

```
.border{ border-color:rgb(255, 190, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2600, 0.3283, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 238) }
```

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

```
.background{ background-color: rgb(255,  
190, 238) }
```

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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