

Converting Colors

$Y_{xy}(65.5018, 0.3005, 0.2493)$

Have a look what the booklet for
Yxy(65.5018, 0.3005, 0.2493)
contains.

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Color

Yxy(64.5561, 0.3127, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	FBBEFF
RGB	251, 190, 255
RGB Percent	98%, 75%, 100%
CMY	0.0155, 0.2550, 0.0000
CMYK	0.02, 0.25, 0.00, 0.00
HSL	296°, 100%, 87%
HSV	296°, 25%, 100%
XYZ	76.2625, 64.5561, 103.0654
YIQ	215.6490, 15.4910, 33.1470

Conversions

Conversions Part 2

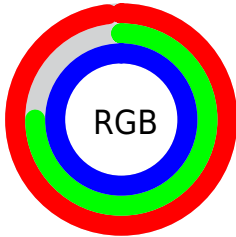
Format	Color
R_{YB}	251, 190, 255
Decimal	16498431
CIE _{Lab}	84.25, 32.48, -23.52
CIE _{LCh}	84, 40.106, 324.094
Yxy	64.5561, 0.3127, 0.2647
Android (android.graphics.Color)	4294688511 (0xFFFFBBEFF)
YUV	215.6490, 19.4000, 31.0028
Hunter-Lab	80.3468, 28.8194, -19.8119

Details

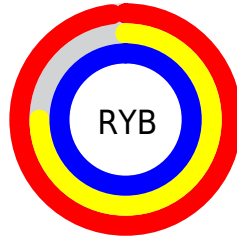
The Yxy color **64.5561, 0.3127, 0.2647** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.6972, 0.3117, 0.4016**, and the grayscale version is **68.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **33.1549, 0.3123, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **54.1756, 0.3124, 0.2395**, and if you desaturate by 10%, it is **76.8741, 0.3128, 0.2903**.

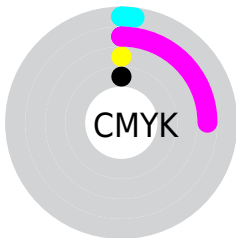
Distribution



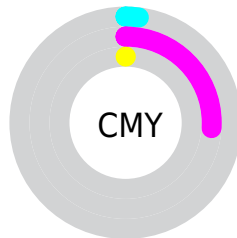
- Red (98%)
- Green (75%)
- Blue (100%)



- Red (98%)
- Yellow (75%)
- Blue (100%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5561, 0.3127, 0.2647 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 64.5561, 0.3127, 0.2647 by changing the saturation by 10% instead.


 64.5561, 0.3127,
0.2647

 64.5561, 0.3127,
0.2647


441.1951, 0.3133,
0.2934

 47.1012, 0.3124,
0.2584


 111.4114, 0.3130,
0.2745

 33.1157, 0.3120,
0.2508


141.5807, 0.3131,
0.2783

 22.2151, 0.3113,
0.2413


176.7568, 0.3132,
0.2816

 14.0150, 0.3103,
0.2293

217.3243, 0.3133,
0.2846

 8.1311, 0.3086,
0.2135

263.6674, 0.3133,
0.2872

 4.1790, 0.3056,
0.1922

316.1707, 0.3133,

 1.7742, 0.2998,

0.2895

0.1619

375.2184, 0.3133,
0.2915

0.4710, 0.2908,
0.1048

0.0000, 0.1653,
0.0000

64.5561, 0.3127,
0.2647

64.5561, 0.3127,
0.2647

54.1756, 0.3124,
0.2395

76.8741, 0.3128,
0.2903

45.6276, 0.3119,
0.2157

91.2187, 0.3128,
0.3155

38.8038, 0.3111,
0.1942

100.0000, 0.3127,
0.3290

33.5826, 0.3101,
0.1761

■ 29.8267, 0.3090,
0.1620

■ 27.3759, 0.3076,
0.1524

■ 26.0319, 0.3061,
0.1471

■ 25.6593, 0.3054,
0.1456

Harmonies

Analogous

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



64.5561, 0.2656, 0.2500



64.5561, 0.3127, 0.2647



64.5561, 0.3635, 0.2935

Triad

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



64.5561, 0.3127, 0.2647



64.5561, 0.3954, 0.4043



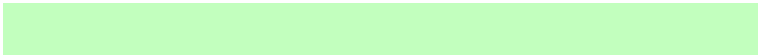
64.5561, 0.2308, 0.3167

Complementary

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



64.5561, 0.3127, 0.2647



86.6972, 0.3117, 0.4016

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.



64.5561, 0.2610, 0.3672



64.5561, 0.3127, 0.2647



64.5561, 0.3557, 0.4202

Square

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



64.5561, 0.3127, 0.2647



64.5561, 0.4131, 0.3707



64.5561, 0.3064, 0.4075



64.5561, 0.2214, 0.2756

Rectangle

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



64.5561, 0.3127, 0.2647



64.5561, 0.3913, 0.3179



64.5561, 0.3064, 0.4075



64.5561, 0.2387, 0.3333

Sweetspot

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



64.5576, 0.3127, 0.2647



87.4336, 0.3128, 0.3093



56.8894, 0.2690, 0.2609



18.2409, 0.3128, 0.3055



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.



64.5576, 0.3127, 0.2647



58.6116, 0.3126, 0.2508



63.6155, 0.3370, 0.2917



18.2409, 0.3128, 0.3055



13.4317, 0.3057, 0.1458



1.3242, 0.3075, 0.1468

Inverse Universe

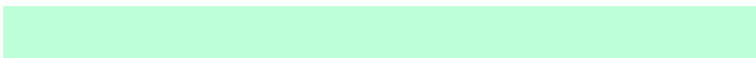
The Inverse Universe completely reimagines the original color for something new.



61.9710, 0.3639, 0.3250



55.6171, 0.3793, 0.3242



87.5350, 0.2941, 0.3696



18.0050, 0.3285, 0.3276



11.1344, 0.6339, 0.3266



1.0901, 0.6198, 0.3188

Previews

White Background



This preview shows how the Yxy color 64.5561, 0.3127, 0.2647 looks on a white background.

Color Contrast Check

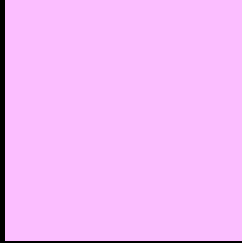
Large Text (above 18pt) WCAG AA × Fail

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 64.5561, 0.3127, 0.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

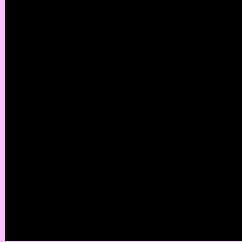
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5561, 0.3127, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 64.5561, 0.3127, 0.2647.



This preview shows how white text looks on a background with the Yxy color 64.5561, 0.3127, 0.2647.

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

64.5561, 0.3127, 0.2647

Protanopia

64.9630, 0.2763, 0.2787

Deuteranopia

64.8725, 0.2852, 0.2794



Tritanopia

64.6047, 0.3388, 0.3133

Trichromacy



Original Color

64.5561, 0.3127, 0.2647



Protanomaly

64.3665, 0.2886, 0.2729



Deuteranomaly

64.4080, 0.2948, 0.2734



Tritanomaly

64.4058, 0.3292, 0.2950

Monochromacy



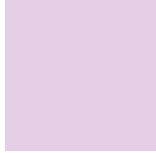
Original Color

64.5561, 0.3127, 0.2647



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.9968, 0.3131, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5561, 0.3127, 0.2647 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(251, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 190, 255)  
}
```

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(251, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5561, 0.3127, 0.2647 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(251, 190, 255) }
```

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

```
.border{ border-color:rgb(251, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5561, 0.3127, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 190, 255) }
```

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

```
.background{ background-color: rgb(251,  
190, 255) }
```

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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