

Converting Colors

$Y_{xy}(107.5216, 0.4396, 0.2970)$

Have a look what the booklet for
Yxy(107.5216, 0.4396, 0.2970)
contains.

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Color

Yxy(64.4378, 0.3261, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEF1
RGB	255, 190, 241
RGB Percent	100%, 75%, 95%
CMY	0.0000, 0.2549, 0.0550
CMYK	0.00, 0.25, 0.06, 0.00
HSL	313°, 100%, 87%
HSV	313°, 25%, 100%
XYZ	75.5326, 64.4378, 91.6536
YIQ	215.2490, 22.3690, 29.6410

Conversions

Conversions Part 2

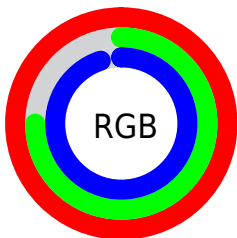
Format	Color
R _Y B	255, 190, 241
Decimal	16760561
CIE _{Lab}	84.19, 31.26, -16.09
CIE _{LCh}	84, 35.161, 332.762
Yxy	64.4378, 0.3261, 0.2782
Android (android.graphics.Color)	4294950641 (0xFFFFBEF1)
YUV	215.2490, 12.6952, 34.8616
Hunter-Lab	80.2732, 27.4806, -11.5044

Details

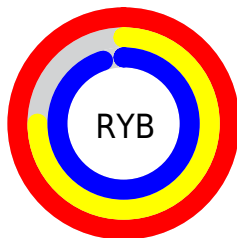
The Yxy color **64.4378, 0.3261, 0.2782** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.8283, 0.3017, 0.3858**, and the grayscale version is **68.0310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **33.1169, 0.3292, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **54.0160, 0.3327, 0.2580**, and if you desaturate by 10%, it is **76.7996, 0.3202, 0.2986**.

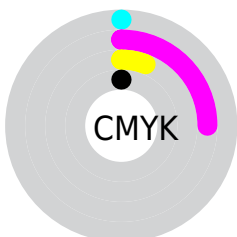
Distribution



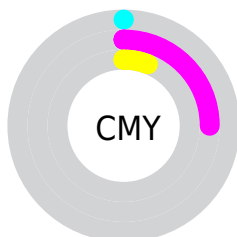
- Red (100%)
- Green (75%)
- Blue (95%)



- Red (100%)
- Yellow (75%)
- Blue (95%)



- Cyan (0%)
- Magenta (25%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4378, 0.3261, 0.2782 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 64.4378, 0.3261, 0.2782 by changing the saturation by 10% instead.


 64.4378, 0.3261,
0.2782

 64.4378, 0.3261,
0.2782


440.7689, 0.3203,
0.3012

 47.0054, 0.3274,
0.2731


 111.2412, 0.3241,
0.2861

 33.0399, 0.3289,
0.2669


141.3809, 0.3234,
0.2891

 22.1570, 0.3307,
0.2591


176.5252, 0.3227,
0.2918

 13.9723, 0.3330,
0.2491

217.0585, 0.3221,
0.2942

 8.1014, 0.3360,
0.2358

263.3651, 0.3215,
0.2962

 4.1599, 0.3398,
0.2174

315.8294, 0.3211,

 1.7634, 0.3450,

0.2980

0.1903

374.8359, 0.3206,
0.2997

0.4642, 0.3578,
0.1319

0.0000, 0.2636,
0.0000

64.4378, 0.3261,
0.2782

64.4378, 0.3261,
0.2782

54.0160, 0.3327,
0.2580

76.7996, 0.3202,
0.2986

45.4369, 0.3401,
0.2387

91.1983, 0.3152,
0.3184

38.5894, 0.3481,
0.2213

100.0000, 0.3127,
0.3290

33.3520, 0.3566,
0.2068

■ 29.5874, 0.3653,
0.1963

■ 27.1350, 0.3739,
0.1904

■ 25.7967, 0.3822,
0.1893

■ 25.4287, 0.3858,
0.1899

Harmonies

Analogous

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



64.4378, 0.2824, 0.2610



64.4378, 0.3261, 0.2782



64.4378, 0.3688, 0.3069

Triad

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



64.4378, 0.3261, 0.2782



64.4378, 0.3773, 0.4016



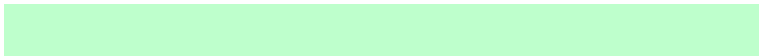
64.4378, 0.2358, 0.3069

Complementary

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



64.4378, 0.3261, 0.2782



86.8283, 0.3017, 0.3858

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.



64.4378, 0.2578, 0.3499



64.4378, 0.3261, 0.2782



64.4378, 0.3389, 0.4081

Square

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



64.4378, 0.3261, 0.2782



64.4378, 0.3989, 0.3761



64.4378, 0.2951, 0.3890



64.4378, 0.2329, 0.2746

Rectangle

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



64.4378, 0.3261, 0.2782



64.4378, 0.3895, 0.3298



64.4378, 0.2951, 0.3890



64.4378, 0.2411, 0.3206

Sweetspot

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



64.4367, 0.3261, 0.2782



87.3875, 0.3164, 0.3135



56.7441, 0.2775, 0.2577



18.2293, 0.3171, 0.3106



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.



64.4367, 0.3261, 0.2782



58.4606, 0.3296, 0.2670



62.7158, 0.3510, 0.3090



18.2293, 0.3171, 0.3106



13.3101, 0.3845, 0.1892



1.3118, 0.3758, 0.1844

Inverse Universe

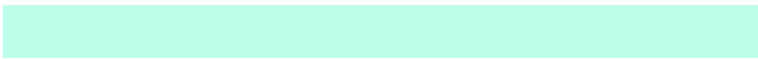
The Inverse Universe completely reimagines the original color for something new.



64.4367, 0.3261, 0.2782



58.4606, 0.3296, 0.2670



88.4944, 0.2850, 0.3500



18.2293, 0.3171, 0.3106



13.3101, 0.3845, 0.1892



1.3118, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 64.4378, 0.3261, 0.2782 looks on a white background.

Color Contrast Check

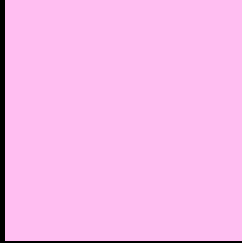
Large Text (above 18pt) WCAG AA × Fail

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 64.4378, 0.3261, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

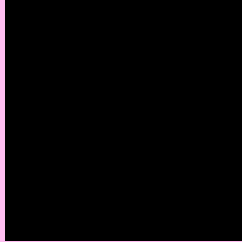
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4378, 0.3261, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 64.4378, 0.3261, 0.2782.



This preview shows how white text looks on a background with the Yxy color 64.4378, 0.3261, 0.2782.

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

64.4378, 0.3261, 0.2782

Protanopia

64.6211, 0.2787, 0.2797

Deuteranopia

64.7411, 0.2997, 0.2932



Tritanopia

64.2426, 0.3456, 0.3125

Trichromacy



Original Color

64.4378, 0.3261, 0.2782



Protanomaly

63.9850, 0.2946, 0.2780



Deuteranomaly

64.5295, 0.3086, 0.2878



Tritanomaly

64.1093, 0.3380, 0.2993

Monochromacy



Original Color

64.4378, 0.3261, 0.2782



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.3474, 0.3181, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4378, 0.3261, 0.2782 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 241) }
```

Border

The CSS property to change the border of an element to Yxy 64.4378, 0.3261, 0.2782 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, 241) }
```

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

```
.border{ border-color:rgb(255, 190, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4378, 0.3261, 0.2782 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
190, 241) }
```

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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