

Converting Colors

$Yxy(63.9337, 0.3255, 0.2761)$

Have a look what the booklet for
Yxy(63.9337, 0.3255, 0.2761)
contains.

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Color

Yxy(64.0660, 0.3254, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDF2
RGB	255, 189, 242
RGB Percent	100%, 74%, 95%
CMY	0.0000, 0.2589, 0.0509
CMYK	0.00, 0.26, 0.05, 0.00
HSL	312°, 100%, 87%
HSV	312°, 26%, 100%
XYZ	75.4782, 64.0660, 92.4109
YIQ	214.7760, 22.3230, 30.4750

Conversions

Conversions Part 2

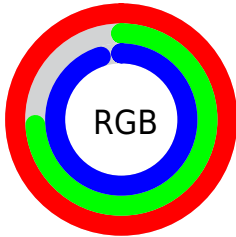
Format	Color
R _Y B	255, 189, 242
Decimal	16760306
CIE Lab	84.00, 31.98, -16.94
CIE LCh	84, 36.194, 332.086
Yxy	64.0660, 0.3254, 0.2762
Android (android.graphics.Color)	4294950386 (0xFFFFBDF2)
YUV	214.7760, 13.4214, 35.2764
Hunter-Lab	80.0412, 28.2518, -12.4239

Details

The Yxy color $64.0660, 0.3254, 0.2762$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.5993, 0.3022, 0.3883$, and the grayscale version is $67.6868, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $32.8789, 0.3282, 0.2644$ is the 20% darker color. If you saturate the color by 10%, you get $53.7422, 0.3315, 0.2556$, and if you desaturate by 10%, it is $76.3168, 0.3199, 0.2970$.

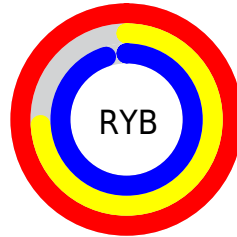
Distribution



Red (100%)

Green (74%)

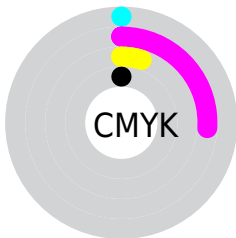
Blue (95%)



Red (100%)

Yellow (74%)

Blue (95%)

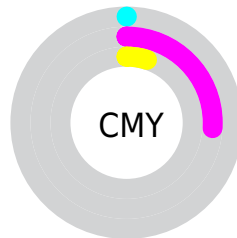


Cyan (0%)

Magenta (26%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (26%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0660, 0.3254, 0.2762 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 64.0660, 0.3254, 0.2762 by changing the saturation by 10% instead.


 64.0660, 0.3254,
0.2762

 64.0660, 0.3254,
0.2762

439.4279, 0.3199,
0.3000

 46.7041, 0.3266,
0.2709


 110.7060, 0.3236,
0.2844

 32.8018, 0.3280,
0.2644


140.7529, 0.3228,
0.2876

 21.9747, 0.3297,
0.2564


175.7969, 0.3222,
0.2903

 13.8383, 0.3318,
0.2460

216.2225, 0.3216,
0.2928

 8.0083, 0.3344,
0.2323

262.4140, 0.3211,
0.2949

 4.1002, 0.3378,
0.2133

314.7558, 0.3207,

 1.7298, 0.3421,

0.2968

0.1855

373.6323, 0.3203,
0.2985

0.4428, 0.3537,
0.1248

0.0000, 0.2446,
0.0000

64.0660, 0.3254,
0.2762

64.0660, 0.3254,
0.2762

53.7422, 0.3315,
0.2556

76.3168, 0.3199,
0.2970

45.2590, 0.3383,
0.2360

90.6028, 0.3152,
0.3174

38.5011, 0.3457,
0.2183

100.0000, 0.3127,
0.3290

33.3467, 0.3534,
0.2038

■ 29.6575, 0.3612,
0.1932

■ 27.2719, 0.3689,
0.1872

■ 25.9898, 0.3762,
0.1859

■ 25.6620, 0.3792,
0.1862

Harmonies

Analogous

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



64.0660, 0.2805, 0.2589



64.0660, 0.3254, 0.2762



64.0660, 0.3696, 0.3054

Triad

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



64.0660, 0.3254, 0.2762



64.0660, 0.3799, 0.4034



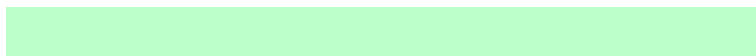
64.0660, 0.2339, 0.3070

Complementary

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



64.0660, 0.3254, 0.2762



86.5993, 0.3022, 0.3883

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.



64.0660, 0.2569, 0.3515



64.0660, 0.3254, 0.2762



64.0660, 0.3405, 0.4109

Square

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



64.0660, 0.3254, 0.2762



64.0660, 0.4018, 0.3766



64.0660, 0.2955, 0.3918



64.0660, 0.2305, 0.2735

Rectangle

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



64.0660, 0.3254, 0.2762



64.0660, 0.3914, 0.3289



64.0660, 0.2955, 0.3918



64.0660, 0.2395, 0.3212

Sweetspot

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



64.0611, 0.3254, 0.2762



87.4123, 0.3161, 0.3132



56.0385, 0.2761, 0.2563



18.2356, 0.3168, 0.3101



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.



64.0611, 0.3254, 0.2762



58.5505, 0.3284, 0.2656



62.2965, 0.3508, 0.3076



18.2356, 0.3168, 0.3101



13.4306, 0.3780, 0.1856



1.3226, 0.3703, 0.1813

Inverse Universe

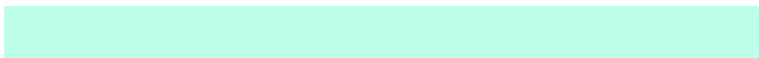
The Inverse Universe completely reimagines the original color for something new.



64.0611, 0.3254, 0.2762



58.5505, 0.3284, 0.2656



88.2829, 0.2852, 0.3516



18.2356, 0.3168, 0.3101



13.4306, 0.3780, 0.1856



1.3226, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 64.0660, 0.3254, 0.2762 looks on a white background.

Color Contrast Check

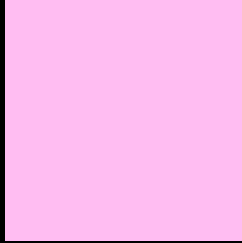
Large Text (above 18pt) WCAG AA × Fail

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 64.0660, 0.3254, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

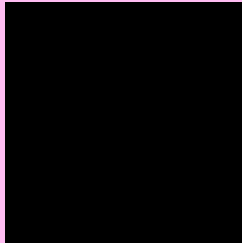
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0660, 0.3254, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 64.0660, 0.3254, 0.2762.



This preview shows how white text looks on a background with the Yxy color 64.0660, 0.3254, 0.2762.

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

64.0660, 0.3254, 0.2762

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.0167, 0.2976, 0.2909



Tritanopia

64.1926, 0.3464, 0.3135

Trichromacy



Original Color

64.0660, 0.3254, 0.2762



Protanomaly

63.7355, 0.2925, 0.2768



Deuteranomaly

63.9611, 0.3072, 0.2857



Tritanomaly

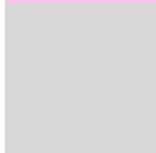
64.1093, 0.3380, 0.2993

Monochromacy



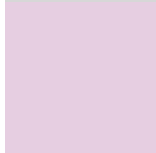
Original Color

64.0660, 0.3254, 0.2762



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.4019, 0.3174, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0660, 0.3254, 0.2762 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, 189, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 242)  
}
```

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, 189, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.0660, 0.3254, 0.2762 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, 189, 242) }
```

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

```
.border{ border-color:rgb(255, 189, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 189, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 189, 242); box-shadow:4px 4px 4px 4px rgb(255, 189, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0660, 0.3254, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 242) }
```

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

```
.background{ background-color: rgb(255,  
189, 242) }
```

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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