

Converting Colors

Yxy(87.6330, 0.3971, 0.2889)

Have a look what the booklet for
Yxy(87.6330, 0.3971, 0.2889)
contains.

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Color

Yxy(64.5580, 0.3246, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEF3
RGB	255, 190, 243
RGB Percent	100%, 75%, 95%
CMY	0.0000, 0.2550, 0.0471
CMYK	0.00, 0.25, 0.05, 0.00
HSL	311°, 100%, 87%
HSV	311°, 25%, 100%
XYZ	75.8434, 64.5580, 93.2504
YIQ	215.4770, 21.7270, 30.2630

Conversions

Conversions Part 2

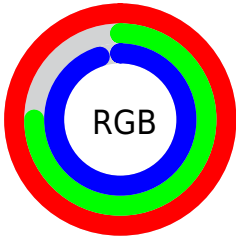
Format	Color
RYB	255, 190, 243
Decimal	16760563
CIELab	84.26, 31.63, -17.08
CIElCh	84, 35.943, 331.635
Yxy	64.5580, 0.3246, 0.2763
Android (android.graphics.Color)	4294950643 (0xFFFFBEF3)
YUV	215.4770, 13.5688, 34.6617
Hunter-Lab	80.3480, 27.8836, -12.5673

Details

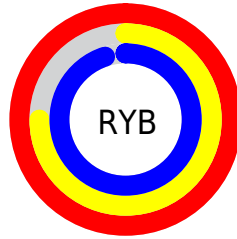
The Yxy color **64.5580, 0.3246, 0.2763** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.7293, 0.3028, 0.3882**, and the grayscale version is **68.1829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **33.2019, 0.3271, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **54.1748, 0.3304, 0.2554**, and if you desaturate by 10%, it is **76.8675, 0.3194, 0.2974**.

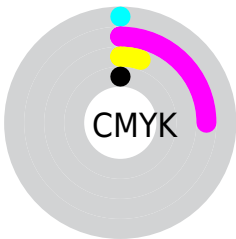
Distribution



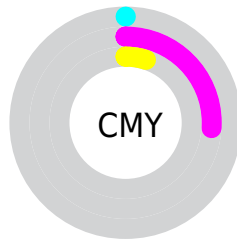
- Red (100%)
- Green (75%)
- Blue (95%)



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



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5580, 0.3246, 0.2763 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 64.5580, 0.3246, 0.2763 by changing the saturation by 10% instead.


 64.5580, 0.3246,
0.2763

 64.5580, 0.3246,
0.2763


441.2019, 0.3195,
0.3001

 47.1028, 0.3257,
0.2710


 111.4142, 0.3229,
0.2844

 33.1169, 0.3270,
0.2646


141.5839, 0.3222,
0.2876

 22.2160, 0.3285,
0.2566


176.7605, 0.3216,
0.2904

 14.0157, 0.3304,
0.2463

217.3285, 0.3211,
0.2928

 8.1316, 0.3328,
0.2327

263.6723, 0.3206,
0.2949

 4.1793, 0.3358,
0.2138


316.1762, 0.3202,


 1.7743, 0.3396,


0.2968


0.1862


375.2246, 0.3198,
0.2985


 0.4711, 0.3491,
0.1286


 0.0000, 0.2506,
0.0000


 64.5580, 0.3246,
0.2763


 64.5580, 0.3246,
0.2763

 54.1748, 0.3304,
0.2554


 76.8675, 0.3194,
0.2974

 45.6371, 0.3368,
0.2355

 91.2166, 0.3149,
0.3180

 38.8284, 0.3437,
0.2176

100.0000, 0.3127,
0.3290

 33.6272, 0.3509,
0.2027

■ 29.8962, 0.3582,
0.1918

■ 27.4749, 0.3653,
0.1854

■ 26.1650, 0.3722,
0.1837

■ 25.8093, 0.3752,
0.1840

Harmonies

Analogous

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



64.5580, 0.2802, 0.2593



64.5580, 0.3246, 0.2763



64.5580, 0.3685, 0.3051

Triad

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



64.5580, 0.3246, 0.2763



64.5580, 0.3798, 0.4024



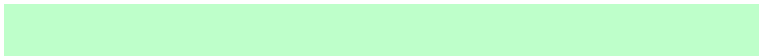
64.5580, 0.2348, 0.3079

Complementary

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



64.5580, 0.3246, 0.2763



86.7293, 0.3028, 0.3882

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.



64.5580, 0.2579, 0.3520



64.5580, 0.3246, 0.2763



64.5580, 0.3410, 0.4101

Square

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



64.5580, 0.3246, 0.2763



64.5580, 0.4011, 0.3757



64.5580, 0.2963, 0.3916



64.5580, 0.2311, 0.2744

Rectangle

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



64.5580, 0.3246, 0.2763



64.5580, 0.3902, 0.3284



64.5580, 0.2963, 0.3916



64.5580, 0.2404, 0.3220

Sweetspot

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



64.5513, 0.3246, 0.2763



87.4276, 0.3160, 0.3129



56.5841, 0.2767, 0.2575



18.2394, 0.3166, 0.3098



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.



64.5513, 0.3246, 0.2763



58.6061, 0.3277, 0.2647



62.7625, 0.3501, 0.3079



18.2394, 0.3166, 0.3098



13.5066, 0.3741, 0.1835



1.3293, 0.3669, 0.1795

Inverse Universe

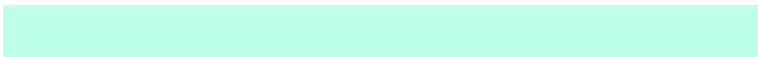
The Inverse Universe completely reimagines the original color for something new.



64.5513, 0.3246, 0.2763



58.6061, 0.3277, 0.2647



88.4295, 0.2856, 0.3512



18.2394, 0.3166, 0.3098



13.5066, 0.3741, 0.1835



1.3293, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 64.5580, 0.3246, 0.2763 looks on a white background.

Color Contrast Check

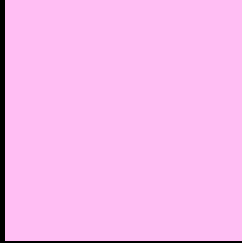
Large Text (above 18pt) WCAG AA × Fail

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 64.5580, 0.3246, 0.2763 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 64.5580, 0.3246, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 64.5580, 0.3246, 0.2763.



This preview shows how white text looks on a background with the Yxy color 64.5580, 0.3246, 0.2763.

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

64.5580, 0.3246, 0.2763

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

64.7056, 0.2977, 0.2910



Tritanopia

64.6922, 0.3455, 0.3135

Trichromacy



Original Color

64.5580, 0.3246, 0.2763



Protanomaly

64.4217, 0.2926, 0.2770



Deuteranomaly

64.6484, 0.3072, 0.2858



Tritanomaly

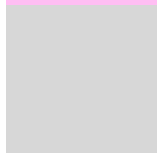
64.6067, 0.3371, 0.2994

Monochromacy



Original Color

64.5580, 0.3246, 0.2763



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 64.5580, 0.3246, 0.2763 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 243) }
```

Border

The CSS property to change the border of an element to Yxy 64.5580, 0.3246, 0.2763 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, 243) }
```

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

```
.border{ border-color:rgb(255, 190, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5580, 0.3246, 0.2763 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
190, 243) }
```

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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