

Converting Colors

$Y_{xy}(85.2720, 0.3898, 0.2842)$

Have a look what the booklet for
Yxy(85.2720, 0.3898, 0.2842)
contains.

Yxy(64.3090, 0.3224, 0.2725)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.3090, 0.3224, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDF6
RGB	255, 189, 246
RGB Percent	100%, 74%, 96%
CMY	0.0000, 0.2589, 0.0352
CMYK	0.00, 0.26, 0.04, 0.00
HSL	308°, 100%, 87%
HSV	308°, 26%, 100%
XYZ	76.0852, 64.3090, 95.6021
YIQ	215.2320, 21.0390, 31.7190

Conversions

Conversions Part 2

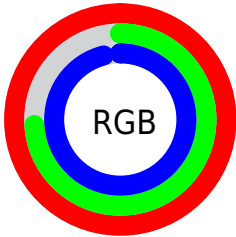
Format	Color
R _Y B	255, 189, 246
Decimal	16760310
CIE Lab	84.13, 32.68, -18.88
CIE LCh	84, 37.739, 329.979
Yxy	64.3090, 0.3224, 0.2725
Android (android.graphics.Color)	4294950390 (0xFFFFBDF6)
YUV	215.2320, 15.1686, 34.8765
Hunter-Lab	80.1929, 29.0192, -14.5477

Details

The Yxy color $64.3090, 0.3224, 0.2725$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.4128, 0.3044, 0.3930$, and the grayscale version is $67.9991, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $33.0514, 0.3242, 0.2598$ is the 20% darker color. If you saturate the color by 10%, you get $54.0706, 0.3269, 0.2506$, and if you desaturate by 10%, it is $76.4691, 0.3183, 0.2947$.

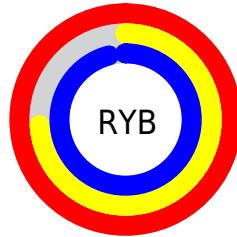
Distribution



Red (100%)

Green (74%)

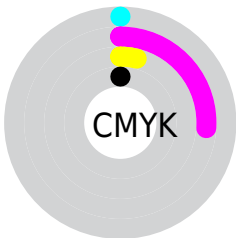
Blue (96%)



Red (100%)

Yellow (74%)

Blue (96%)

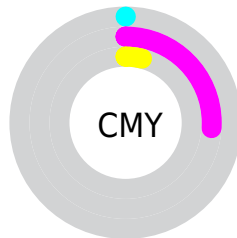


Cyan (0%)

Magenta (26%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3090, 0.3224, 0.2725 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 64.3090, 0.3224, 0.2725 by changing the saturation by 10% instead.

 64.3090, 0.3224,
0.2725

 64.3090, 0.3224,
0.2725


440.3046, 0.3184,
0.2979

 46.9010, 0.3232,
0.2669


 111.0558, 0.3211,
0.2812

 32.9574, 0.3242,
0.2600


141.1634, 0.3206,
0.2846

 22.0938, 0.3253,
0.2515


176.2730, 0.3201,
0.2875

 13.9258, 0.3266,
0.2406

216.7690, 0.3197,
0.2901

 8.0691, 0.3281,
0.2262

263.0358, 0.3193,
0.2924

 4.1392, 0.3298,
0.2065

315.4577, 0.3190,

 1.7517, 0.3314,

0.2944

0.1778

374.4192, 0.3187,
0.2963

0.4568, 0.3368,
0.1188

0.0000, 0.2269,
0.0000

64.3090, 0.3224,
0.2725

64.3090, 0.3224,
0.2725

54.0706, 0.3269,
0.2506

76.4691, 0.3183,
0.2947

45.6690, 0.3318,
0.2299

90.6606, 0.3146,
0.3165

38.9887, 0.3370,
0.2114

100.0000, 0.3127,
0.3290

33.9076, 0.3424,
0.1960

■ 30.2877, 0.3477,
0.1846

■ 27.9674, 0.3528,
0.1778

■ 26.7465, 0.3575,
0.1754

■ 26.4427, 0.3594,
0.1754

Harmonies

Analogous

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



64.3090, 0.2762, 0.2556



64.3090, 0.3224, 0.2725



64.3090, 0.3691, 0.3020

Triad

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



64.3090, 0.3224, 0.2725



64.3090, 0.3848, 0.4049



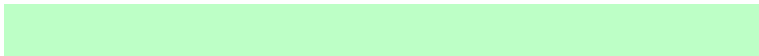
64.3090, 0.2319, 0.3090

Complementary

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



64.3090, 0.3224, 0.2725



86.4128, 0.3044, 0.3930

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.



64.3090, 0.2570, 0.3558



64.3090, 0.3224, 0.2725



64.3090, 0.3447, 0.4147

Square

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



64.3090, 0.3224, 0.2725



64.3090, 0.4062, 0.3758



64.3090, 0.2979, 0.3969



64.3090, 0.2269, 0.2730

Rectangle

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



64.3090, 0.3224, 0.2725



64.3090, 0.3927, 0.3260



64.3090, 0.2979, 0.3969



64.3090, 0.2381, 0.3240

Sweetspot

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



64.3036, 0.3224, 0.2725



87.4903, 0.3154, 0.3120



55.5858, 0.2738, 0.2558



18.2553, 0.3159, 0.3087



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.



64.3036, 0.3224, 0.2725



58.8373, 0.3246, 0.2612



62.4627, 0.3481, 0.3043



18.2553, 0.3159, 0.3087



13.8334, 0.3587, 0.1750



1.3582, 0.3537, 0.1722

Inverse Universe

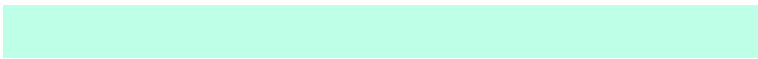
The Inverse Universe completely reimagines the original color for something new.



64.3036, 0.3224, 0.2725



58.8373, 0.3246, 0.2612



88.0949, 0.2869, 0.3553



18.2553, 0.3159, 0.3087



13.8334, 0.3587, 0.1750



1.3582, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 64.3090, 0.3224, 0.2725 looks on a white background.

Color Contrast Check

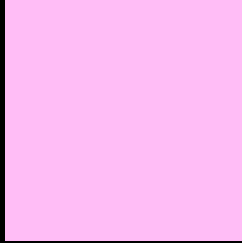
Large Text (above 18pt) WCAG AA × Fail

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 64.3090, 0.3224, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

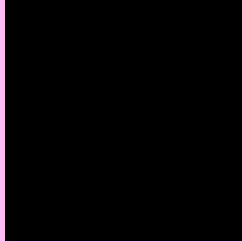
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3090, 0.3224, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 64.3090, 0.3224, 0.2725.



This preview shows how white text looks on a background with the Yxy color 64.3090, 0.3224, 0.2725.

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

64.3090, 0.3224, 0.2725

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.5808, 0.2943, 0.2878



Tritanopia

64.0574, 0.3448, 0.3124

Trichromacy



Original Color

64.3090, 0.3224, 0.2725



Protanomaly

63.8616, 0.2912, 0.2748



Deuteranomaly

64.2015, 0.3044, 0.2817



Tritanomaly

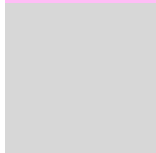
64.2172, 0.3365, 0.2973

Monochromacy



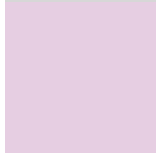
Original Color

64.3090, 0.3224, 0.2725



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.4566, 0.3167, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3090, 0.3224, 0.2725 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 246) }
```

Border

The CSS property to change the border of an element to Yxy 64.3090, 0.3224, 0.2725 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, 246) }
```

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

```
.border{ border-color:rgb(255, 189, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3090, 0.3224, 0.2725 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
189, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor