

Converting Colors

$Yxy(81.6706, 0.3874, 0.2872)$

Have a look what the booklet for
Yxy(81.6706, 0.3874, 0.2872)
contains.

Yxy(63.5177, 0.3270, 0.2771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.5177, 0.3270, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	FFBCF0
RGB	255, 188, 240
RGB Percent	100%, 74%, 94%
CMY	0.0000, 0.2628, 0.0588
CMYK	0.00, 0.26, 0.06, 0.00
HSL	313°, 100%, 87%
HSV	313°, 26%, 100%
XYZ	74.9559, 63.5177, 90.7494
YIQ	213.9610, 23.2400, 30.3760

Conversions

Conversions Part 2

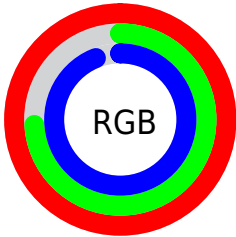
Format	Color
R_{YB}	255, 188, 240
Decimal	16760048
CIE _{Lab}	83.71, 32.15, -16.30
CIE _{LCh}	84, 36.040, 333.118
Yxy	63.5177, 0.3270, 0.2771
Android (android.graphics.Color)	4294950128 (0xFFFFBCF0)
YUV	213.9610, 12.8372, 35.9912
Hunter-Lab	79.6980, 28.4077, -11.7229

Details

The Yxy color $63.5177, 0.3270, 0.2771$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.5228, 0.3011, 0.3872$, and the grayscale version is $67.1167, 0.3127, 0.3290$.

A 20% lighter version of the original color is $93.7848, 0.3132, 0.3194$, and $32.5167, 0.3304, 0.2655$ is the 20% darker color. If you saturate the color by 10%, you get $53.2342, 0.3339, 0.2571$, and if you desaturate by 10%, it is $75.7358, 0.3209, 0.2973$.

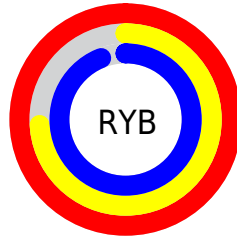
Distribution



Red (100%)

Green (74%)

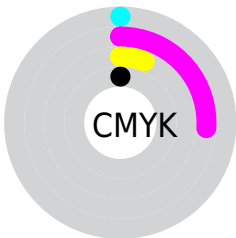
Blue (94%)



Red (100%)

Yellow (74%)

Blue (94%)

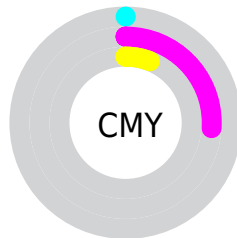


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5177, 0.3270, 0.2771 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 63.5177, 0.3270, 0.2771 by changing the saturation by 10% instead.


 63.5177, 0.3270,
0.2771

 63.5177, 0.3270,
0.2771

437.4459, 0.3207,
0.3006

 46.2602, 0.3284,
0.2719

 109.9161, 0.3249,
0.2851

 32.4512, 0.3300,
0.2655


139.8256, 0.3241,
0.2883

 21.7063, 0.3320,
0.2575


174.7214, 0.3233,
0.2910

 13.6413, 0.3345,
0.2472

214.9876, 0.3227,
0.2934

 7.8716, 0.3377,
0.2336

261.0088, 0.3221,
0.2955

 4.0129, 0.3419,
0.2147


313.1693, 0.3216,


 1.6808, 0.3475,


0.2974


0.1868


371.8536, 0.3211,
0.2991


 0.4112, 0.3632,
0.1222


 0.0000, 0.2442,
0.0000


 63.5177, 0.3270,
0.2771


 63.5177, 0.3270,
0.2771

 53.2342, 0.3339,
0.2571


 75.7358, 0.3209,
0.2973

 44.7851, 0.3416,
0.2380

 89.9836, 0.3156,
0.3170

 38.0593, 0.3500,
0.2210

100.0000, 0.3127,
0.3290

 32.9341, 0.3589,
0.2069

■ 29.2708, 0.3679,
0.1969

■ 26.9065, 0.3769,
0.1915

■ 25.6387, 0.3855,
0.1909

■ 25.3337, 0.3886,
0.1915

Harmonies

Analogous

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



63.5177, 0.2819, 0.2593



63.5177, 0.3270, 0.2771



63.5177, 0.3709, 0.3066

Triad

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



63.5177, 0.3270, 0.2771



63.5177, 0.3787, 0.4039



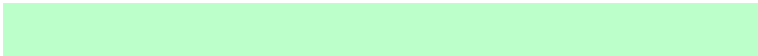
63.5177, 0.2335, 0.3057

Complementary

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



63.5177, 0.3270, 0.2771



86.5228, 0.3011, 0.3872

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.



63.5177, 0.2559, 0.3499



63.5177, 0.3270, 0.2771



63.5177, 0.3390, 0.4105

Square

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



63.5177, 0.3270, 0.2771



63.5177, 0.4014, 0.3777



63.5177, 0.2940, 0.3906



63.5177, 0.2308, 0.2727

Rectangle

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



63.5177, 0.3270, 0.2771



63.5177, 0.3921, 0.3301



63.5177, 0.2940, 0.3906



63.5177, 0.2389, 0.3197

Sweetspot

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



63.5173, 0.3270, 0.2771



87.3773, 0.3165, 0.3137



55.8144, 0.2770, 0.2554



18.2267, 0.3172, 0.3107



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.



63.5173, 0.3270, 0.2771



57.3998, 0.3308, 0.2656



61.7300, 0.3534, 0.3095



18.2267, 0.3172, 0.3107



13.2610, 0.3873, 0.1907



1.3075, 0.3781, 0.1857

Inverse Universe

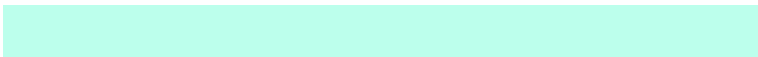
The Inverse Universe completely reimagines the original color for something new.



63.5173, 0.3270, 0.2771



57.3998, 0.3308, 0.2656



88.2683, 0.2837, 0.3495



18.2267, 0.3172, 0.3107



13.2610, 0.3873, 0.1907



1.3075, 0.3781, 0.1857

Previews

White Background



This preview shows how the Yxy color 63.5177, 0.3270, 0.2771 looks on a white background.

Color Contrast Check

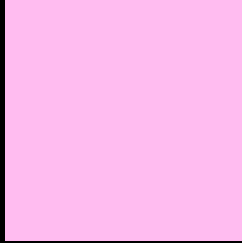
Large Text (above 18pt) WCAG AA × Fail

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 63.5177, 0.3270, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

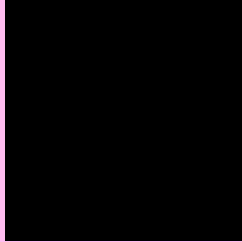
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5177, 0.3270, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 63.5177, 0.3270, 0.2771.



This preview shows how white text looks on a background with the Yxy color 63.5177, 0.3270, 0.2771.

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

63.5177, 0.3270, 0.2771

Protanopia

63.8596, 0.2773, 0.2784

Deuteranopia

63.8991, 0.2989, 0.2930



Tritanopia

63.6963, 0.3474, 0.3135

Trichromacy



Original Color

63.5177, 0.3270, 0.2771



Protanomaly

63.1459, 0.2938, 0.2776



Deuteranomaly

63.3842, 0.3086, 0.2866



Tritanomaly

63.5620, 0.3398, 0.3003

Monochromacy



Original Color

63.5177, 0.3270, 0.2771



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.6484, 0.3182, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5177, 0.3270, 0.2771 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, 188, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 240)  
}
```

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, 188, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 240) }
```

Border

The CSS property to change the border of an element to Yxy 63.5177, 0.3270, 0.2771 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, 188, 240) }
```

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

```
.border{ border-color:rgb(255, 188, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5177, 0.3270, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 240) }
```

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

```
.background{ background-color: rgb(255,  
188, 240) }
```

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