

Converting Colors

$Y_{xy}(62.5771, 0.2943, 0.2772)$

Have a look what the booklet for
Yxy(62.5771, 0.2943, 0.2772)
contains.

Yxy(62.6223, 0.2944, 0.2775)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.6223, 0.2944, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	DBC7F7
RGB	219, 199, 247
RGB Percent	86%, 78%, 97%
CMY	0.1410, 0.2196, 0.0312
CMYK	0.11, 0.19, 0.00, 0.03
HSL	265°, 75%, 87%
HSV	265°, 19%, 97%
XYZ	66.4361, 62.6223, 96.6076
YIQ	210.4520, -3.4880, 19.1680

Conversions

Conversions Part 2

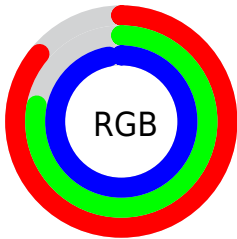
Format	Color
R _Y B	219, 199, 247
Decimal	14403575
CIE Lab	83.24, 15.96, -21.07
CIE LCh	83, 26.437, 307.145
Yxy	62.6223, 0.2944, 0.2775
Android (android.graphics.Color)	4292593655 (0xFFDBC7F7)
YUV	210.4520, 18.0182, 7.4966
Hunter-Lab	79.1343, 11.3722, -16.9876

Details

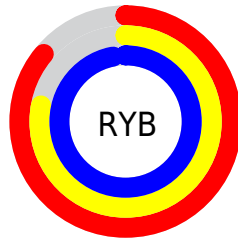
The Yxy color **62.6223, 0.2944, 0.2775** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.9946, 0.3285, 0.3797**, and the grayscale version is **64.6467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.9049, 0.2895, 0.2651** is the 20% darker color. If you saturate the color by 10%, you get **50.0278, 0.2828, 0.2480**, and if you desaturate by 10%, it is **77.2604, 0.3045, 0.3051**.

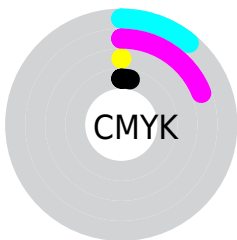
Distribution



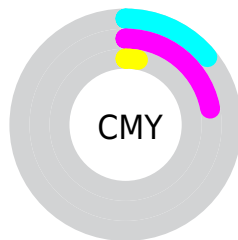
- Red (86%)
- Green (78%)
- Blue (97%)



- Red (86%)
- Yellow (78%)
- Blue (97%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (22%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6223, 0.2944, 0.2775 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 62.6223, 0.2944, 0.2775 by changing the saturation by 10% instead.

62.6223, 0.2944,
0.2775

62.6223, 0.2944,
0.2775

434.1974, 0.3033,
0.3011

45.5357, 0.2923,
0.2722

108.6244, 0.2976,
0.2856

31.8796, 0.2896,
0.2656

138.3088, 0.2988,
0.2888

21.2696, 0.2861,
0.2574

172.9611, 0.2998,
0.2916

13.3212, 0.2814,
0.2468

212.9659, 0.3007,
0.2940

7.6501, 0.2748,
0.2326

258.7076, 0.3015,
0.2961

3.8719, 0.2650,
0.2127

310.5704, 0.3022,

1.6021, 0.2488,

0.2979

0.1830

368.9389, 0.3028,
0.2996

0.3590, 0.2240,
0.1100

0.0000, 0.0000,
0.0000

62.6223, 0.2944,
0.2775

62.6223, 0.2944,
0.2775

50.0278, 0.2828,
0.2480

77.2604, 0.3045,
0.3051

39.3751, 0.2698,
0.2171

94.0217, 0.3132,
0.3303

30.5657, 0.2556,
0.1861

99.4975, 0.3173,
0.3366

23.4887, 0.2406,
0.1563

■ 18.0211, 0.2254,
0.1294

■ 14.0227, 0.2108,
0.1071

■ 11.3281, 0.1975,
0.0907

■ 9.6811, 0.1861,
0.0801

■ 9.6042, 0.1855,
0.0796

Harmonies

Analogous

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



62.6223, 0.2670, 0.2745



62.6223, 0.2944, 0.2775



62.6223, 0.3282, 0.2925

Triad

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



62.6223, 0.2944, 0.2775



62.6223, 0.3770, 0.3694



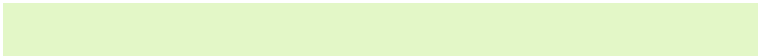
62.6223, 0.2675, 0.3403

Complementary

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



62.6223, 0.2944, 0.2775



86.9946, 0.3285, 0.3797

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.



62.6223, 0.2951, 0.3702



62.6223, 0.2944, 0.2775



62.6223, 0.3586, 0.3862

Square

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



62.6223, 0.2944, 0.2775



62.6223, 0.3774, 0.3437



62.6223, 0.3284, 0.3873



62.6223, 0.2521, 0.3087

Rectangle

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



62.6223, 0.2944, 0.2775



62.6223, 0.3498, 0.3075



62.6223, 0.3284, 0.3873



62.6223, 0.2756, 0.3510

Sweetspot

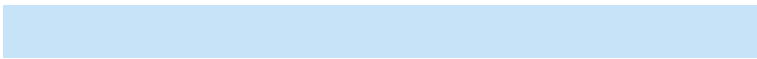
The Sweet Spot groups the original color and five complimentary colors.



62.6249, 0.2944, 0.2775



88.9715, 0.3076, 0.3140



73.8049, 0.2822, 0.3071



18.7975, 0.3070, 0.3124



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.



62.6249, 0.2944, 0.2775



62.2013, 0.2904, 0.2671



66.6199, 0.3120, 0.2802



16.2644, 0.3045, 0.3050



5.1567, 0.1872, 0.0805



0.5121, 0.2011, 0.0882

Inverse Universe

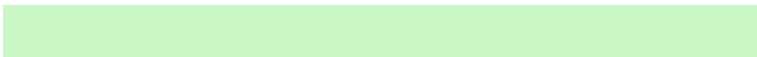
The Inverse Universe completely reimagines the original color for something new.



66.1682, 0.3296, 0.3002



66.6411, 0.3334, 0.2946



83.3608, 0.3127, 0.3822



16.6445, 0.3202, 0.3153



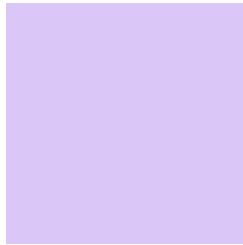
11.5512, 0.4612, 0.2314



1.0357, 0.4387, 0.2191

Previews

White Background



This preview shows how the Yxy color 62.6223, 0.2944, 0.2775 looks on a white background.

Color Contrast Check

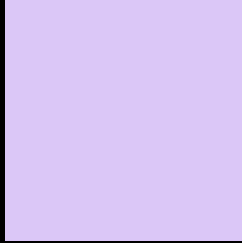
Large Text (above 18pt) WCAG AA × Fail

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 62.6223, 0.2944, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

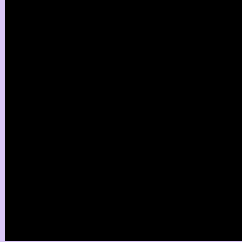
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6223, 0.2944, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 62.6223, 0.2944, 0.2775.

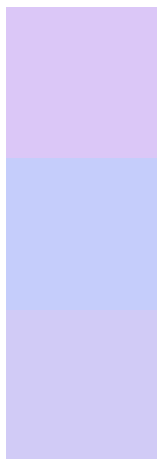


This preview shows how white text looks on a background with the Yxy color 62.6223, 0.2944, 0.2775.

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

62.6223, 0.2944, 0.2775

Protanopia

62.4980, 0.2770, 0.2780

Deuteranopia

62.9210, 0.2881, 0.2820



Tritanopia

62.8001, 0.3098, 0.3111

Trichromacy



Original Color

62.6223, 0.2944, 0.2775

Protanomaly

62.5931, 0.2828, 0.2775

Deuteranomaly

63.0410, 0.2908, 0.2812

Tritanomaly

62.5532, 0.3037, 0.2981

Monochromacy



Original Color

62.6223, 0.2944, 0.2775

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.6165, 0.3062, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6223, 0.2944, 0.2775 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(219, 199, 247)` looks like.

```
.text, #text, p{  
    color:rgb(219, 199, 247)  
}
```

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(219, 199, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 199, 247) }
```

Border

The CSS property to change the border of an element to Yxy 62.6223, 0.2944, 0.2775 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(219, 199, 247) }
```

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

```
.border{ border-color:rgb(219, 199, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 199, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 199, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 199, 247);  
box-shadow:4px 4px 4px 4px rgb(219, 199,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6223, 0.2944, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 199, 247) }
```

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

```
.background{ background-color: rgb(219,  
199, 247) }
```

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