

Converting Colors

$Y_{xy}(44.8223, 0.3167, 0.2739)$

Have a look what the booklet for
Yxy(44.8223, 0.3167, 0.2739)
contains.

Yxy(44.8446, 0.3171, 0.2741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.8446, 0.3171, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	D4A3D2
RGB	212, 163, 210
RGB Percent	83%, 64%, 82%
CMY	0.1686, 0.3608, 0.1765
CMYK	0.00, 0.23, 0.01, 0.17
HSL	302°, 36%, 74%
HSV	302°, 23%, 83%
XYZ	51.8797, 44.8446, 66.8824
YIQ	183.0090, 14.1170, 25.0050

Conversions

Conversions Part 2

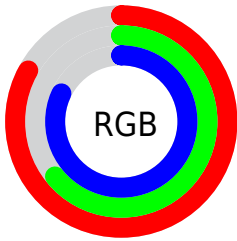
Format	Color
R _Y B	212, 163, 210
Decimal	13935570
CIE Lab	72.79, 25.91, -16.93
CIE LCh	73, 30.949, 326.843
Yxy	44.8446, 0.3171, 0.2741
Android (android.graphics.Color)	4292125650 (0xFFD4A3D2)
YUV	183.0090, 13.3066, 25.4251
Hunter-Lab	66.9661, 21.0960, -12.3396

Details

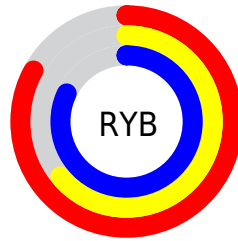
The Yxy color $44.8446, 0.3171, 0.2741$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $57.5926, 0.3084, 0.3908$, and the grayscale version is $47.2799, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $20.9035, 0.3184, 0.2609$ is the 20% darker color. If you saturate the color by 10%, you get $37.8948, 0.3192, 0.2503$, and if you desaturate by 10%, it is $53.0605, 0.3151, 0.2982$.

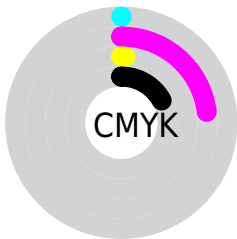
Distribution



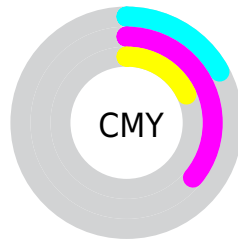
- Red (83%)
- Green (64%)
- Blue (82%)



- Red (83%)
- Yellow (64%)
- Blue (82%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (17%)




- Cyan (17%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8446, 0.3171, 0.2741 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 44.8446, 0.3171, 0.2741 by changing the saturation by 10% instead.


 44.8446, 0.3171,
0.2741

 44.8446, 0.3171,
0.2741


366.1438, 0.3154,
0.3005

 31.3350, 0.3174,
0.2678


 82.4872, 0.3166,
0.2835

 20.8541, 0.3177,
0.2600


 107.3890, 0.3164,
0.2870

 13.0174, 0.3179,
0.2498

136.8570, 0.3162,
0.2901

 7.4405, 0.3181,
0.2362

171.2756, 0.3160,
0.2927

 3.7391, 0.3179,
0.2171

211.0292, 0.3158,
0.2950

 1.5287, 0.3165,
0.1885

256.5021, 0.3157,

 0.3088, 0.3236,

0.2971

0.1076

308.0789, 0.3155,
0.2989

0.0000, 0.0000,
0.0000

44.8446, 0.3171,
0.2741

44.8446, 0.3171,
0.2741

37.8948, 0.3192,
0.2503

53.0605, 0.3151,
0.2982

32.1424, 0.3214,
0.2277

62.5951, 0.3133,
0.3218

27.5210, 0.3235,
0.2072

73.5051, 0.3116,
0.3445

23.9555, 0.3256,
0.1898

85.8424, 0.3101,
0.3659

21.3617, 0.3275,
0.1762

90.3903, 0.3093,
0.3722

■ 19.6427, 0.3292,
0.1668

■ 90.4351, 0.3088,
0.3713

■ 18.6812, 0.3307,
0.1617

■ 90.4802, 0.3083,
0.3703

■ 18.3218, 0.3316,
0.1600

■ 90.5255, 0.3078,
0.3694

■ 90.5711, 0.3073,
0.3684

Harmonies

Analogous

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



44.8446, 0.2750, 0.2598



44.8446, 0.3171, 0.2741



44.8446, 0.3608, 0.3007

Triad

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



44.8446, 0.3171, 0.2741



44.8446, 0.3827, 0.3973



44.8446, 0.2392, 0.3150

Complementary

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



44.8446, 0.3171, 0.2741



57.5926, 0.3084, 0.3908

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.



44.8446, 0.2645, 0.3583



44.8446, 0.3171, 0.2741



44.8446, 0.3470, 0.4082

Square

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



44.8446, 0.3171, 0.2741



44.8446, 0.3999, 0.3695



44.8446, 0.3037, 0.3943



44.8446, 0.2324, 0.2801

Rectangle

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



44.8446, 0.3171, 0.2741



44.8446, 0.3838, 0.3229



44.8446, 0.3037, 0.3943



44.8446, 0.2457, 0.3292

Sweetspot

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



44.8466, 0.3171, 0.2741



89.0880, 0.3140, 0.3125



38.9114, 0.2750, 0.2647



18.8775, 0.3141, 0.3111



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.



44.8466, 0.3171, 0.2741



62.4070, 0.3182, 0.2617



43.7340, 0.3385, 0.3015



12.6235, 0.3144, 0.3070



11.3146, 0.3314, 0.1599



0.6852, 0.3295, 0.1589

Inverse Universe

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



44.8466, 0.3171, 0.2741



62.4070, 0.3182, 0.2617



58.5552, 0.2928, 0.3583



12.6235, 0.3144, 0.3070



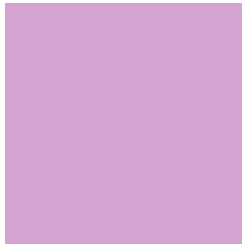
11.3146, 0.3314, 0.1599



0.6852, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 44.8446, 0.3171, 0.2741 looks on a white background.

Color Contrast Check

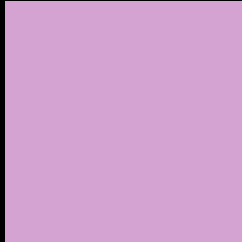
Large Text (above 18pt) WCAG AA × Fail

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 44.8446, 0.3171, 0.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

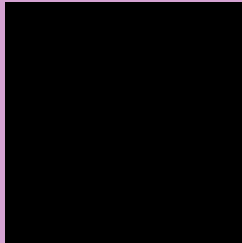
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8446, 0.3171, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 44.8446, 0.3171, 0.2741.



This preview shows how white text looks on a background with the Yxy color 44.8446, 0.3171, 0.2741.

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

44.8446, 0.3171, 0.2741

Protanopia

45.0466, 0.2743, 0.2745

Deuteranopia

45.1591, 0.2928, 0.2874



Tritanopia

44.7514, 0.3384, 0.3131

Trichromacy



Original Color

44.8446, 0.3171, 0.2741

Protanomaly

44.7772, 0.2892, 0.2746

Deuteranomaly

45.0667, 0.3011, 0.2823

Tritanomaly

44.6335, 0.3297, 0.2976

Monochromacy



Original Color

44.8446, 0.3171, 0.2741

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3703, 0.3146, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8446, 0.3171, 0.2741 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(212, 163, 210)` looks like.

```
.text, #text, p{  
    color:rgb(212, 163, 210)  
}
```

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(212, 163, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 163, 210) }
```

Border

The CSS property to change the border of an element to Yxy 44.8446, 0.3171, 0.2741 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(212, 163, 210) }
```

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

```
.border{ border-color:rgb(212, 163, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 163, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 163, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 163, 210);  
box-shadow:4px 4px 4px 4px rgb(212, 163,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8446, 0.3171, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 163, 210) }
```

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

```
.background{ background-color: rgb(212,  
163, 210) }
```

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