

Converting Colors

$Yxy(51.0905, 0.3107, 0.2781)$

Have a look what the booklet for
Yxy(51.0905, 0.3107, 0.2781)
contains.

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Color

Yxy(50.8701, 0.3109, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	D8B0DD
RGB	216, 176, 221
RGB Percent	85%, 69%, 87%
CMY	0.1530, 0.3097, 0.1333
CMYK	0.02, 0.20, 0.00, 0.13
HSL	293°, 40%, 78%
HSV	293°, 20%, 87%
XYZ	56.8903, 50.8701, 75.2255
YIQ	193.0900, 9.3950, 22.4750

Conversions

Conversions Part 2

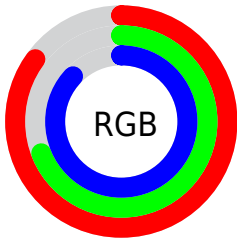
Format	Color
R _Y B	216, 176, 221
Decimal	14201053
CIE Lab	76.60, 22.24, -17.15
CIE LCh	77, 28.083, 322.358
Yxy	50.8701, 0.3109, 0.2780
Android (android.graphics.Color)	4292391133 (0xFFD8B0DD)
YUV	193.0900, 13.7596, 20.0921
Hunter-Lab	71.3233, 17.5631, -12.6076

Details

The Yxy color **50.8701, 0.3109, 0.2780** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.6752, 0.3136, 0.3845**, and the grayscale version is **53.2979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.4962, 0.3100, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **42.5263, 0.3096, 0.2523**, and if you desaturate by 10%, it is **60.6348, 0.3119, 0.3035**.

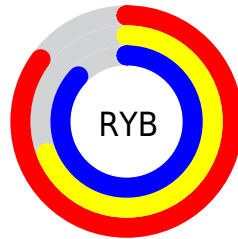
Distribution



Red (85%)

Green (69%)

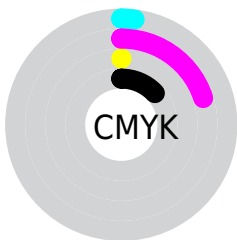
Blue (87%)



Red (85%)

Yellow (69%)

Blue (87%)

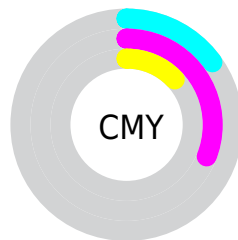


Cyan (2%)

Magenta (20%)

Yellow (0%)

Black (13%)



Cyan (15%)


Magenta (31%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8701, 0.3109, 0.2780 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 50.8701, 0.3109, 0.2780 by changing the saturation by 10% instead.


 50.8701, 0.3109,
0.2780

 50.8701, 0.3109,
0.2780


390.0589, 0.3122,
0.3021

 36.1052, 0.3105,
0.2724


 91.4627, 0.3114,
0.2865

 24.5155, 0.3099,
0.2654


118.0593, 0.3116,
0.2897

 15.7164, 0.3091,
0.2564


149.3685, 0.3118,
0.2925

 9.3237, 0.3078,
0.2445

185.7749, 0.3119,
0.2950

 4.9529, 0.3056,
0.2282

227.6627, 0.3120,
0.2971

 2.2197, 0.3016,
0.2042

275.4163, 0.3121,

 0.7307, 0.2935,

0.2990

0.1646

329.4203, 0.3121,
0.3006

0.0000, 0.1900,
0.0000

0.0000, 0.0000,
0.0000

50.8701, 0.3109,
0.2780

50.8701, 0.3109,
0.2780

42.5263, 0.3096,
0.2523

60.6348, 0.3119,
0.3035

35.5285, 0.3079,
0.2272

71.8772, 0.3127,
0.3281

29.8051, 0.3059,
0.2036

84.6594, 0.3132,
0.3515

25.2751, 0.3036,
0.1827

92.8838, 0.3141,
0.3641

■ 21.8483, 0.3010,
0.1653

■ 93.2849, 0.3156,
0.3639

■ 19.4215, 0.2982,
0.1522

■ 93.6919, 0.3172,
0.3638

■ 17.8720, 0.2954,
0.1434

■ 94.1046, 0.3187,
0.3636

■ 17.0018, 0.2926,
0.1386

■ 94.5231, 0.3203,
0.3634

■ 94.9474, 0.3219,
0.3633

Harmonies

Analogous

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



50.8701, 0.2751, 0.2674



50.8701, 0.3109, 0.2780



50.8701, 0.3493, 0.3003

Triad

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



50.8701, 0.3109, 0.2780



50.8701, 0.3773, 0.3861



50.8701, 0.2506, 0.3227

Complementary

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



50.8701, 0.3109, 0.2780



64.6752, 0.3136, 0.3845

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.



50.8701, 0.2753, 0.3598



50.8701, 0.3109, 0.2780



50.8701, 0.3483, 0.3976

Square

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



50.8701, 0.3109, 0.2780



50.8701, 0.3889, 0.3607



50.8701, 0.3108, 0.3884



50.8701, 0.2420, 0.2904

Rectangle

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



50.8701, 0.3109, 0.2780



50.8701, 0.3706, 0.3194



50.8701, 0.3108, 0.3884



50.8701, 0.2572, 0.3351

Sweetspot

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



50.8723, 0.3109, 0.2780



90.3013, 0.3123, 0.3143



47.6065, 0.2792, 0.2797



19.1121, 0.3122, 0.3126



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.



50.8723, 0.3109, 0.2780



65.7024, 0.3104, 0.2681



50.7759, 0.3291, 0.2973



13.1972, 0.3120, 0.3058



9.9078, 0.2931, 0.1388



0.6633, 0.2979, 0.1415

Inverse Universe

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



49.7656, 0.3487, 0.3232



63.9542, 0.3575, 0.3221



64.8058, 0.2992, 0.3630



13.0750, 0.3274, 0.3264



8.9781, 0.6259, 0.3222



0.5897, 0.5928, 0.3039

Previews

White Background



This preview shows how the Yxy color 50.8701, 0.3109, 0.2780 looks on a white background.

Color Contrast Check

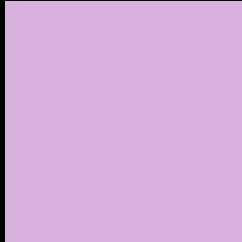
Large Text (above 18pt) WCAG AA × Fail

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 50.8701, 0.3109, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

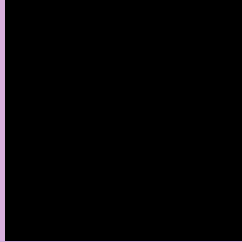
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8701, 0.3109, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 50.8701, 0.3109, 0.2780.



This preview shows how white text looks on a background with the Yxy color 50.8701, 0.3109, 0.2780.

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

50.8701, 0.3109, 0.2780

Protanopia

50.9011, 0.2774, 0.2783

Deuteranopia

51.1499, 0.2938, 0.2883



Tritanopia

50.9849, 0.3281, 0.3125

Trichromacy



Original Color

50.8701, 0.3109, 0.2780

Protanomaly

50.6954, 0.2888, 0.2781

Deuteranomaly

51.0407, 0.2993, 0.2843

Tritanomaly

50.7460, 0.3218, 0.2998

Monochromacy



Original Color

50.8701, 0.3109, 0.2780

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.2700, 0.3120, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8701, 0.3109, 0.2780 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(216, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(216, 176, 221)  
}
```

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(216, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 176, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.8701, 0.3109, 0.2780 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(216, 176, 221) }
```

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

```
.border{ border-color:rgb(216, 176, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 176, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(216, 176,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8701, 0.3109, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 176, 221) }
```

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

```
.background{ background-color: rgb(216,  
176, 221) }
```

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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