

Converting Colors

$Y_{xy}(46.7988, 0.3095, 0.2692)$

Have a look what the booklet for
Yxy(46.7988, 0.3095, 0.2692)
contains.

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Color

Yxy(46.7490, 0.3095, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	D4A7DB
RGB	212, 167, 219
RGB Percent	83%, 65%, 86%
CMY	0.1684, 0.3452, 0.1412
CMYK	0.03, 0.24, 0.00, 0.14
HSL	292°, 42%, 76%
HSV	292°, 24%, 86%
XYZ	53.7674, 46.7490, 73.2071
YIQ	186.3830, 10.1280, 25.7120

Conversions

Conversions Part 2

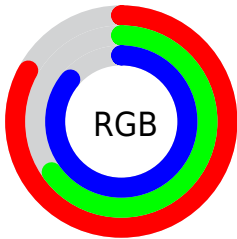
Format	Color
R _Y B	212, 167, 219
Decimal	13936603
CIE Lab	74.03, 25.46, -19.99
CIE LCh	74, 32.373, 321.870
Yxy	46.7490, 0.3095, 0.2691
Android (android.graphics.Color)	4292126683 (0xFFD4A7DB)
YUV	186.3830, 16.0802, 22.4661
Hunter-Lab	68.3732, 20.7159, -15.6204

Details

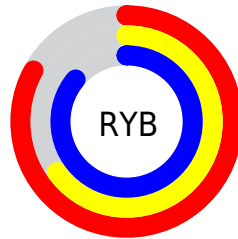
The Yxy color **46.7490, 0.3095, 0.2691** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.4434, 0.3145, 0.3948**, and the grayscale version is **49.2357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **22.1099, 0.3079, 0.2546** is the 20% darker color. If you saturate the color by 10%, you get **38.9650, 0.3075, 0.2433**, and if you desaturate by 10%, it is **55.9035, 0.3111, 0.2949**.

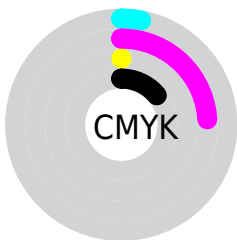
Distribution



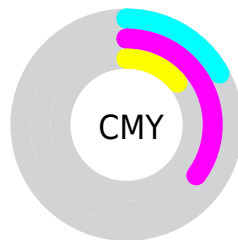
- Red (83%)
- Green (65%)
- Blue (86%)



- Red (83%)
- Yellow (65%)
- Blue (86%)



- Cyan (3%)
- Magenta (24%)
- Yellow (0%)
- Black (14%)





- Cyan (17%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7490, 0.3095, 0.2691 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 46.7490, 0.3095, 0.2691 by changing the saturation by 10% instead.


 46.7490, 0.3095,
0.2691

 46.7490, 0.3095,
0.2691


373.8117, 0.3116,
0.2976

 32.8373, 0.3088,
0.2624


 85.3388, 0.3104,
0.2791

 22.0018, 0.3079,
0.2541


 110.7857, 0.3107,
0.2830

 13.8582, 0.3066,
0.2434


140.8465, 0.3109,
0.2863

 8.0221, 0.3045,
0.2292

175.9055, 0.3111,
0.2892

 4.1091, 0.3010,
0.2096

216.3471, 0.3113,
0.2917

 1.7348, 0.2947,
0.1809

262.5558, 0.3114,

 0.4460, 0.2860,

0.2939

0.1201

314.9158, 0.3115,
0.2958

0.0000, 0.0000,
0.0000

46.7490, 0.3095,
0.2691

46.7490, 0.3095,
0.2691

38.9650, 0.3075,
0.2433

55.9035, 0.3111,
0.2949

32.4771, 0.3052,
0.2183

66.4862, 0.3123,
0.3199

27.2129, 0.3025,
0.1952


78.5586, 0.3133,
0.3437

23.0903, 0.2994,
0.1749


92.1771, 0.3139,
0.3659


20.0173, 0.2961,
0.1584


92.9130, 0.3157,
0.3661

 17.8875, 0.2927,
0.1463


 93.3917, 0.3176,
0.3659

 16.5720, 0.2892,
0.1386

 93.8786, 0.3194,
0.3657

 16.0300, 0.2870,
0.1355

 94.3736, 0.3213,
0.3655

 94.8768, 0.3232,
0.3653

Harmonies

Analogous

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



46.7490, 0.2676, 0.2569



46.7490, 0.3095, 0.2691



46.7490, 0.3553, 0.2946

Triad

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



46.7490, 0.3095, 0.2691



46.7490, 0.3894, 0.3955



46.7490, 0.2401, 0.3216

Complementary

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



46.7490, 0.3095, 0.2691



62.4434, 0.3145, 0.3948

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.



46.7490, 0.2689, 0.3664



46.7490, 0.3095, 0.2691



46.7490, 0.3550, 0.4106

Square

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



46.7490, 0.3095, 0.2691



46.7490, 0.4031, 0.3648



46.7490, 0.3107, 0.4007



46.7490, 0.2299, 0.2834

Rectangle

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



46.7490, 0.3095, 0.2691



46.7490, 0.3809, 0.3167



46.7490, 0.3107, 0.4007



46.7490, 0.2478, 0.3366

Sweetspot

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



46.7510, 0.3095, 0.2691



88.6860, 0.3120, 0.3117



43.9050, 0.2732, 0.2726



18.7841, 0.3119, 0.3102



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.



46.7510, 0.3095, 0.2691



59.7229, 0.3085, 0.2549



46.8990, 0.3309, 0.2898



13.1821, 0.3117, 0.3058



9.5397, 0.2876, 0.1358



0.6430, 0.2933, 0.1390

Inverse Universe

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



45.7449, 0.3553, 0.3208



58.0864, 0.3687, 0.3188



62.3878, 0.2982, 0.3717



13.0797, 0.3271, 0.3259



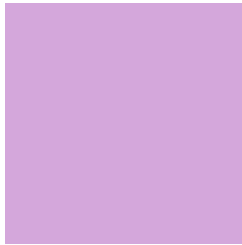
8.9924, 0.6219, 0.3200



0.5920, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 46.7490, 0.3095, 0.2691 looks on a white background.

Color Contrast Check

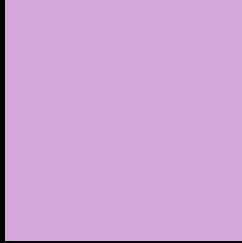
Large Text (above 18pt) WCAG AA × Fail

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 46.7490, 0.3095, 0.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

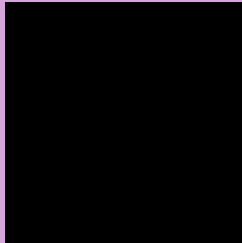
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7490, 0.3095, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 46.7490, 0.3095, 0.2691.



This preview shows how white text looks on a background with the Yxy color 46.7490, 0.3095, 0.2691.

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

46.7490, 0.3095, 0.2691

Protanopia

46.9019, 0.2708, 0.2696

Deuteranopia

46.9178, 0.2872, 0.2808



Tritanopia

46.6977, 0.3323, 0.3132

Trichromacy



Original Color

46.7490, 0.3095, 0.2691

Protanomaly

46.5353, 0.2837, 0.2685

Deuteranomaly

46.8034, 0.2951, 0.2760

Tritanomaly

46.7583, 0.3240, 0.2967

Monochromacy



Original Color

46.7490, 0.3095, 0.2691

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.9195, 0.3113, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7490, 0.3095, 0.2691 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, 167, 219)` looks like.

```
.text, #text, p{  
    color:rgb(212, 167, 219)  
}
```

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, 167, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 167, 219) }
```

Border

The CSS property to change the border of an element to Yxy 46.7490, 0.3095, 0.2691 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, 167, 219) }
```

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

```
.border{ border-color:rgb(212, 167, 219) }
```

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

Here you see how a box with a 4 pixel rgb(212, 167, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 167, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 167, 219);  
box-shadow:4px 4px 4px 4px rgb(212, 167,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7490, 0.3095, 0.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 167, 219) }
```

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

```
.background{ background-color: rgb(212,  
167, 219) }
```

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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