

Converting Colors

$Y_{xy}(46.7619, 0.3127, 0.2593)$

Have a look what the booklet for
Yxy(46.7619, 0.3127, 0.2593)
contains.

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Color

Yxy(46.6491, 0.3125, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	DDA2E1
RGB	221, 162, 225
RGB Percent	87%, 64%, 88%
CMY	0.1334, 0.3647, 0.1176
CMYK	0.02, 0.28, 0.00, 0.12
HSL	296°, 51%, 76%
HSV	296°, 28%, 88%
XYZ	56.3286, 46.6491, 77.2738
YIQ	186.8230, 14.9410, 32.1010

Conversions

Conversions Part 2

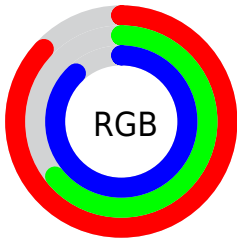
Format	Color
R _Y B	221, 162, 225
Decimal	14525153
CIE Lab	73.96, 32.21, -23.29
CIE LCh	74, 39.742, 324.132
Yxy	46.6491, 0.3125, 0.2588
Android (android.graphics.Color)	4292715233 (0xFFDDA2E1)
YUV	186.8230, 18.8213, 29.9732
Hunter-Lab	68.3001, 27.6876, -19.2698

Details

The Yxy color **46.6491, 0.3125, 0.2588** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.5724, 0.3116, 0.4092**, and the grayscale version is **49.4761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **22.0535, 0.3109, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **39.1961, 0.3121, 0.2340**, and if you desaturate by 10%, it is **55.5263, 0.3127, 0.2842**.

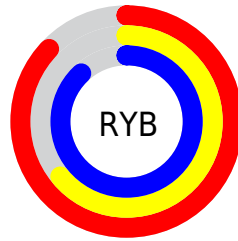
Distribution



Red (87%)

Green (64%)

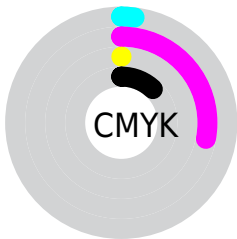
Blue (88%)



Red (87%)

Yellow (64%)

Blue (88%)

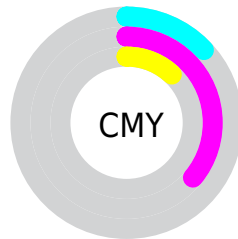


Cyan (2%)

Magenta (28%)

Yellow (0%)

Black (12%)



Cyan (13%)


Magenta (36%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6491, 0.3125, 0.2588 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 46.6491, 0.3125, 0.2588 by changing the saturation by 10% instead.

 46.6491, 0.3125,
0.2588


 46.6491, 0.3125,
0.2588


373.4121, 0.3134,
0.2918

 32.7583, 0.3121,
0.2512


 85.1896, 0.3130,
0.2703

 21.9414, 0.3115,
0.2417


 110.6081, 0.3131,
0.2748

 13.8138, 0.3105,
0.2296


140.6380, 0.3132,
0.2786

 7.9913, 0.3088,
0.2139

175.6637, 0.3133,
0.2820

 4.0894, 0.3058,
0.1924

216.0696, 0.3133,
0.2849

 1.7237, 0.3000,
0.1619

262.2400, 0.3133,

 0.4389, 0.2916,

0.2875

0.1018

314.5594, 0.3134,
0.2898

0.0000, 0.1437,
0.0000

0.0000, 0.0000,
0.0000

46.6491, 0.3125,
0.2588

46.6491, 0.3125,
0.2588

39.1961, 0.3121,
0.2340

55.5263, 0.3127,
0.2842

33.0856, 0.3114,
0.2107

65.8917, 0.3128,
0.3094

28.2370, 0.3105,
0.1899

77.8126, 0.3127,
0.3338

24.5584, 0.3094,
0.1727

91.3506, 0.3125,
0.3568

■ 21.9457, 0.3081,
0.1595

■ 93.4769, 0.3132,
0.3597

■ 20.2762, 0.3067,
0.1507

■ 93.7126, 0.3141,
0.3596

■ 19.3773, 0.3051,
0.1460

■ 93.9502, 0.3150,
0.3595

■ 19.2372, 0.3048,
0.1453

■ 94.1897, 0.3159,
0.3595

■ 94.4312, 0.3168,
0.3594

Harmonies

Analogous

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



46.6491, 0.2609, 0.2427



46.6491, 0.3125, 0.2588



46.6491, 0.3688, 0.2900

Triad

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



46.6491, 0.3125, 0.2588



46.6491, 0.4034, 0.4113



46.6491, 0.2229, 0.3149

Complementary

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



46.6491, 0.3125, 0.2588



64.5724, 0.3116, 0.4092

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.



46.6491, 0.2555, 0.3712



46.6491, 0.3125, 0.2588



46.6491, 0.3594, 0.4300

Square

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



46.6491, 0.3125, 0.2588



46.6491, 0.4234, 0.3740



46.6491, 0.3052, 0.4165



46.6491, 0.2129, 0.2698

Rectangle

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



46.6491, 0.3125, 0.2588



46.6491, 0.3997, 0.3165



46.6491, 0.3052, 0.4165



46.6491, 0.2314, 0.3333

Sweetspot

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



46.6511, 0.3125, 0.2588



87.4222, 0.3128, 0.3093



40.4668, 0.2644, 0.2538



18.2380, 0.3128, 0.3055



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.



46.6511, 0.3125, 0.2588



55.5636, 0.3123, 0.2432



45.9158, 0.3398, 0.2882



13.8889, 0.3128, 0.3058



11.1042, 0.3051, 0.1454



0.7833, 0.3076, 0.1468

Inverse Universe

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



44.6060, 0.3699, 0.3245



52.4253, 0.3882, 0.3234



65.2239, 0.2926, 0.3738



13.7146, 0.3282, 0.3275



9.2489, 0.6330, 0.3261



0.6461, 0.6131, 0.3151

Previews

White Background



This preview shows how the Yxy color 46.6491, 0.3125, 0.2588 looks on a white background.

Color Contrast Check

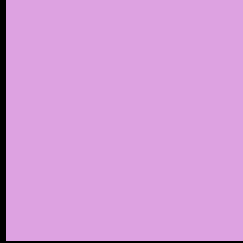
Large Text (above 18pt) WCAG AA × Fail

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 46.6491, 0.3125, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

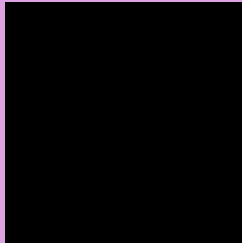
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6491, 0.3125, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 46.6491, 0.3125, 0.2588.



This preview shows how white text looks on a background with the Yxy color 46.6491, 0.3125, 0.2588.

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

46.6491, 0.3125, 0.2588

Protanopia

47.0311, 0.2618, 0.2582

Deuteranopia

46.8180, 0.2813, 0.2748



Tritanopia

46.6154, 0.3427, 0.3135

Trichromacy



Original Color

46.6491, 0.3125, 0.2588



Protanomaly

46.3351, 0.2788, 0.2576



Deuteranomaly

46.4349, 0.2922, 0.2682



Tritanomaly

46.4664, 0.3316, 0.2928

Monochromacy



Original Color

46.6491, 0.3125, 0.2588



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.1999, 0.3123, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6491, 0.3125, 0.2588 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(221, 162, 225)` looks like.

```
.text, #text, p{  
    color:rgb(221, 162, 225)  
}
```

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(221, 162, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 162, 225) }
```

Border

The CSS property to change the border of an element to Yxy 46.6491, 0.3125, 0.2588 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(221, 162, 225) }
```

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

```
.border{ border-color:rgb(221, 162, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 162, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 162, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 162, 225);  
box-shadow:4px 4px 4px 4px rgb(221, 162,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6491, 0.3125, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 162, 225) }
```

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

```
.background{ background-color: rgb(221,  
162, 225) }
```

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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