

Converting Colors

$Y_{xy}(46.8080, 0.3118, 0.2712)$

Have a look what the booklet for
Yxy(46.8080, 0.3118, 0.2712)
contains.

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Color

Yxy(46.7933, 0.3119, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	D5A7D9
RGB	213, 167, 217
RGB Percent	84%, 65%, 85%
CMY	0.1648, 0.3450, 0.1490
CMYK	0.02, 0.23, 0.00, 0.15
HSL	295°, 40%, 75%
HSV	295°, 23%, 85%
XYZ	53.7761, 46.7933, 71.8451
YIQ	186.4540, 11.3660, 25.3020

Conversions

Conversions Part 2

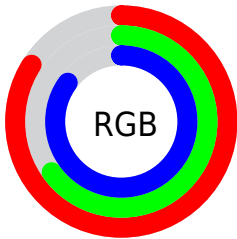
Format	Color
R _{YB}	213, 167, 217
Decimal	14002137
CIE Lab	74.06, 25.36, -18.85
CIE LCh	74, 31.599, 323.387
Yxy	46.7933, 0.3119, 0.2714
Android (android.graphics.Color)	4292192217 (0xFFD5A7D9)
YUV	186.4540, 15.0592, 23.2808
Hunter-Lab	68.4056, 20.6153, -14.3872

Details

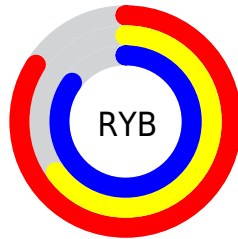
The Yxy color **46.7933, 0.3119, 0.2714** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.0827, 0.3126, 0.3929**, and the grayscale version is **49.2798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **22.1392, 0.3113, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **39.2385, 0.3112, 0.2461**, and if you desaturate by 10%, it is **55.6891, 0.3124, 0.2968**.

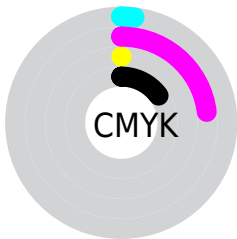
Distribution



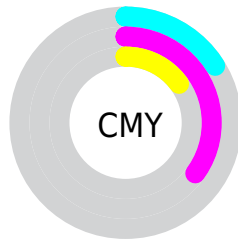
- Red (84%)
- Green (65%)
- Blue (85%)



- Red (84%)
- Yellow (65%)
- Blue (85%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)





- Cyan (16%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7933, 0.3119, 0.2714 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 46.7933, 0.3119, 0.2714 by changing the saturation by 10% instead.


 46.7933, 0.3119,
0.2714

 46.7933, 0.3119,
0.2714

373.9889, 0.3128,
0.2989

 32.8723, 0.3115,
0.2649


 85.4050, 0.3123,
0.2811

 22.0286, 0.3110,
0.2569


 110.8645, 0.3125,
0.2848

 13.8779, 0.3102,
0.2465


140.9389, 0.3126,
0.2880

 8.0358, 0.3088,
0.2328

176.0126, 0.3126,
0.2907

 4.1179, 0.3064,
0.2137

216.4701, 0.3127,
0.2931

 1.7397, 0.3017,
0.1857

262.6957, 0.3128,

 0.4492, 0.2963,

0.2953

0.1252

315.0738, 0.3128,
0.2972

0.0000, 0.0000,
0.0000

46.7933, 0.3119,
0.2714

46.7933, 0.3119,
0.2714

39.2385, 0.3112,
0.2461

55.6891, 0.3124,
0.2968

32.9521, 0.3102,
0.2217

65.9817, 0.3127,
0.3217

27.8638, 0.3090,
0.1993

77.7311, 0.3128,
0.3454

23.8941, 0.3075,
0.1799

90.9921, 0.3127,
0.3676

20.9539, 0.3058,
0.1642

92.0172, 0.3138,
0.3686

■ 18.9405, 0.3039,
0.1528

■ 92.2951, 0.3149,
0.3685

■ 17.7297, 0.3019,
0.1458

■ 92.5758, 0.3160,
0.3684

■ 17.2165, 0.3005,
0.1429

■ 92.8595, 0.3171,
0.3682

■ 93.1460, 0.3182,
0.3681

Harmonies

Analogous

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



46.7933, 0.2705, 0.2587



46.7933, 0.3119, 0.2714



46.7933, 0.3564, 0.2970

Triad

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



46.7933, 0.3119, 0.2714



46.7933, 0.3863, 0.3952



46.7933, 0.2407, 0.3197

Complementary

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



46.7933, 0.3119, 0.2714



61.0827, 0.3126, 0.3929

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.



46.7933, 0.2682, 0.3634



46.7933, 0.3119, 0.2714



46.7933, 0.3520, 0.4087

Square

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



46.7933, 0.3119, 0.2714



46.7933, 0.4009, 0.3658



46.7933, 0.3086, 0.3977



46.7933, 0.2317, 0.2830

Rectangle

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



46.7933, 0.3119, 0.2714



46.7933, 0.3809, 0.3188



46.7933, 0.3086, 0.3977



46.7933, 0.2480, 0.3342

Sweetspot

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



46.7953, 0.3119, 0.2714



88.8628, 0.3126, 0.3118



42.4231, 0.2742, 0.2701



18.8252, 0.3126, 0.3103



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.



46.7953, 0.3119, 0.2714



61.5173, 0.3116, 0.2581



46.3903, 0.3332, 0.2949



13.2186, 0.3125, 0.3059



10.4435, 0.3008, 0.1431



0.6928, 0.3043, 0.1450

Inverse Universe

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



45.3392, 0.3561, 0.3243



59.0652, 0.3694, 0.3231



61.4694, 0.2965, 0.3659



13.0685, 0.3279, 0.3271



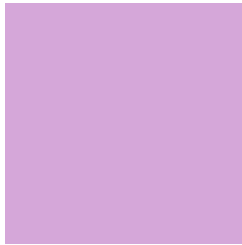
8.9616, 0.6307, 0.3248



0.5866, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 46.7933, 0.3119, 0.2714 looks on a white background.

Color Contrast Check

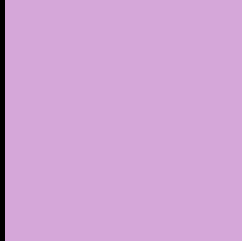
Large Text (above 18pt) WCAG AA × Fail

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 46.7933, 0.3119, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

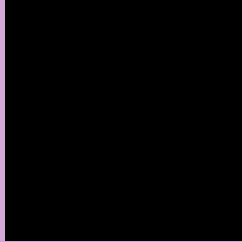
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7933, 0.3119, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 46.7933, 0.3119, 0.2714.



This preview shows how white text looks on a background with the Yxy color 46.7933, 0.3119, 0.2714.

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

46.7933, 0.3119, 0.2714

Protanopia

46.7914, 0.2721, 0.2718

Deuteranopia

46.9374, 0.2894, 0.2832



Tritanopia

46.9876, 0.3341, 0.3133

Trichromacy



Original Color

46.7933, 0.3119, 0.2714

Protanomaly

46.4268, 0.2851, 0.2707

Deuteranomaly

46.8321, 0.2974, 0.2784

Tritanomaly

46.8587, 0.3257, 0.2980

Monochromacy



Original Color

46.7933, 0.3119, 0.2714

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0072, 0.3129, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7933, 0.3119, 0.2714 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(213, 167, 217)` looks like.

```
.text, #text, p{  
    color:rgb(213, 167, 217)  
}
```

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(213, 167, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 167, 217) }
```

Border

The CSS property to change the border of an element to Yxy 46.7933, 0.3119, 0.2714 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(213, 167, 217) }
```

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

```
.border{ border-color:rgb(213, 167, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 167, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 167, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 167, 217);  
box-shadow:4px 4px 4px 4px rgb(213, 167,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7933, 0.3119, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 167, 217) }
```

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

```
.background{ background-color: rgb(213,  
167, 217) }
```

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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