

Converting Colors

$Y_{xy}(48.3996, 0.3211, 0.2750)$

Have a look what the booklet for
Yxy(48.3996, 0.3211, 0.2750)
contains.

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Color

Yxy(48.4927, 0.3205, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	DEA8D8
RGB	222, 168, 216
RGB Percent	87%, 66%, 85%
CMY	0.1295, 0.3411, 0.1530
CMYK	0.00, 0.24, 0.03, 0.13
HSL	307°, 45%, 76%
HSV	307°, 24%, 87%
XYZ	56.5160, 48.4927, 71.3284
YIQ	189.6180, 16.7760, 26.3760

Conversions

Conversions Part 2

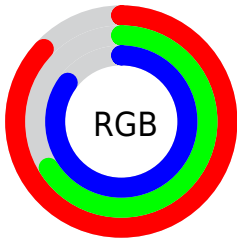
Format	Color
R _Y B	222, 168, 216
Decimal	14592216
CIE Lab	75.13, 27.63, -16.57
CIE LCh	75, 32.217, 329.046
Yxy	48.4927, 0.3205, 0.2750
Android (android.graphics.Color)	4292782296 (0xFFDEA8D8)
YUV	189.6180, 13.0063, 28.3990
Hunter-Lab	69.6367, 23.0035, -11.9846

Details

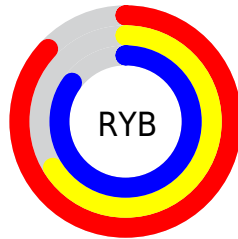
The Yxy color **48.4927, 0.3205, 0.2750** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.6207, 0.3058, 0.3897**, and the grayscale version is **51.1787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **22.9417, 0.3219, 0.2610** is the 20% darker color. If you saturate the color by 10%, you get **40.8582, 0.3243, 0.2527**, and if you desaturate by 10%, it is **57.5326, 0.3170, 0.2976**.

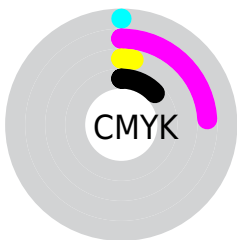
Distribution



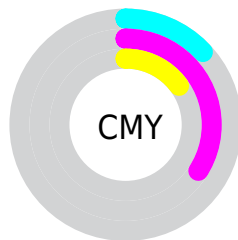
- Red (87%)
- Green (66%)
- Blue (85%)



- Red (87%)
- Yellow (66%)
- Blue (85%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (13%)




- Cyan (13%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4927, 0.3205, 0.2750 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 48.4927, 0.3205, 0.2750 by changing the saturation by 10% instead.


 48.4927, 0.3205,
0.2750

 48.4927, 0.3205,
0.2750


380.7418, 0.3171,
0.3006

 34.2172, 0.3212,
0.2690


 87.9375, 0.3194,
0.2840

 23.0605, 0.3220,
0.2615


 113.8757, 0.3189,
0.2875

 14.6382, 0.3230,
0.2519


144.4702, 0.3186,
0.2904

 8.5659, 0.3241,
0.2392

180.1054, 0.3182,
0.2930

 4.4591, 0.3253,
0.2216

221.1658, 0.3179,
0.2953

 1.9336, 0.3263,
0.1958

268.0357, 0.3176,

 0.5684, 0.3290,

0.2973

0.1469

321.0996, 0.3174,
0.2990

0.0000, 0.2212,
0.0000

0.0000, 0.0000,
0.0000

48.4927, 0.3205,
0.2750

48.4927, 0.3205,
0.2750

40.8582, 0.3243,
0.2527

57.5326, 0.3170,
0.2976

34.5516, 0.3284,
0.2314

68.0374, 0.3139,
0.3197

29.4977, 0.3327,
0.2121

80.0711, 0.3112,
0.3409

25.6114, 0.3371,
0.1959

92.5319, 0.3089,
0.3591

■ 22.7966, 0.3415,
0.1834

■ 92.6686, 0.3075,
0.3565

■ 20.9425, 0.3456,
0.1754

■ 92.8074, 0.3061,
0.3539

■ 19.9136, 0.3495,
0.1717

■ 92.9480, 0.3047,
0.3513

■ 19.5705, 0.3516,
0.1710

■ 93.0907, 0.3034,
0.3487

■ 93.2354, 0.3020,
0.3461

Harmonies

Analogous

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



48.4927, 0.2773, 0.2595



48.4927, 0.3205, 0.2750



48.4927, 0.3644, 0.3027

Triad

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



48.4927, 0.3205, 0.2750



48.4927, 0.3815, 0.3998



48.4927, 0.2370, 0.3117

Complementary

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



48.4927, 0.3205, 0.2750



63.6207, 0.3058, 0.3897

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.



48.4927, 0.2614, 0.3555



48.4927, 0.3205, 0.2750



48.4927, 0.3444, 0.4093

Square

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



48.4927, 0.3205, 0.2750



48.4927, 0.4006, 0.3724



48.4927, 0.3003, 0.3932



48.4927, 0.2317, 0.2774

Rectangle

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



48.4927, 0.3205, 0.2750



48.4927, 0.3869, 0.3253



48.4927, 0.3003, 0.3932



48.4927, 0.2432, 0.3259

Sweetspot

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



48.4948, 0.3205, 0.2750



89.0078, 0.3147, 0.3137



42.2149, 0.2754, 0.2612



18.8589, 0.3149, 0.3124



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.



48.4948, 0.3205, 0.2750



61.0285, 0.3223, 0.2640



47.2388, 0.3435, 0.3040



13.9079, 0.3155, 0.3084



11.6360, 0.3510, 0.1708



0.8142, 0.3458, 0.1679

Inverse Universe

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



48.4948, 0.3205, 0.2750



61.0285, 0.3223, 0.2640



64.7524, 0.2896, 0.3556



13.9079, 0.3155, 0.3084



11.6360, 0.3510, 0.1708



0.8142, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 48.4927, 0.3205, 0.2750 looks on a white background.

Color Contrast Check

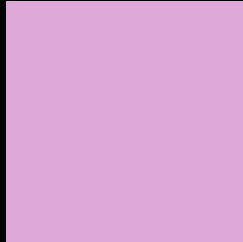
Large Text (above 18pt) WCAG AA × Fail

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 48.4927, 0.3205, 0.2750 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 48.4927, 0.3205, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 48.4927, 0.3205, 0.2750.



This preview shows how white text looks on a background with the Yxy color 48.4927, 0.3205, 0.2750.

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

48.4927, 0.3205, 0.2750

Protanopia

49.0021, 0.2762, 0.2775

Deuteranopia

48.8499, 0.2950, 0.2888



Tritanopia

48.3804, 0.3413, 0.3126

Trichromacy



Original Color

48.4927, 0.3205, 0.2750

Protanomaly

48.4522, 0.2915, 0.2764

Deuteranomaly

48.5135, 0.3040, 0.2828

Tritanomaly

48.2631, 0.3329, 0.2977

Monochromacy



Original Color

48.4927, 0.3205, 0.2750

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.1360, 0.3162, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4927, 0.3205, 0.2750 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(222, 168, 216)` looks like.

```
.text, #text, p{  
    color:rgb(222, 168, 216)  
}
```

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(222, 168, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 168, 216) }
```

Border

The CSS property to change the border of an element to Yxy 48.4927, 0.3205, 0.2750 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(222, 168, 216) }
```

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

```
.border{ border-color:rgb(222, 168, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 168, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 168, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 168, 216); box-shadow:4px 4px 4px 4px rgb(222, 168, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4927, 0.3205, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 168, 216) }
```

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

```
.background{ background-color: rgb(222,  
168, 216) }
```

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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