

Converting Colors

$Y_{xy}(47.6557, 0.3153, 0.2812)$

Have a look what the booklet for
Yxy(47.6557, 0.3153, 0.2812)
contains.

Yxy(47.5000, 0.3150, 0.2802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.5000, 0.3150, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	D4AAD4
RGB	212, 170, 212
RGB Percent	83%, 67%, 83%
CMY	0.1688, 0.3332, 0.1687
CMYK	0.00, 0.20, 0.00, 0.17
HSL	300°, 33%, 75%
HSV	300°, 20%, 83%
XYZ	53.3994, 47.5000, 68.6224
YIQ	187.3460, 11.5500, 21.9660

Conversions

Conversions Part 2

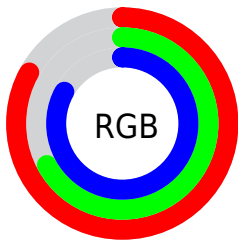
Format	Color
R _Y B	212, 170, 212
Decimal	13937364
CIE Lab	74.51, 22.45, -15.43
CIE LCh	75, 27.240, 325.510
Yxy	47.5000, 0.3150, 0.2802
Android (android.graphics.Color)	4292127444 (0xFFD4AAD4)
YUV	187.3460, 12.1544, 21.6216
Hunter-Lab	68.9202, 17.6913, -10.7896

Details

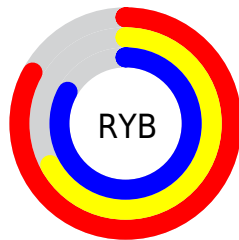
The Yxy color $47.5000, 0.3150, 0.2802$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $58.5256, 0.3102, 0.3832$, and the grayscale version is $49.8241, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $22.5593, 0.3155, 0.2689$ is the 20% darker color. If you saturate the color by 10%, you get $40.1833, 0.3162, 0.2554$, and if you desaturate by 10%, it is $56.1022, 0.3138, 0.3051$.

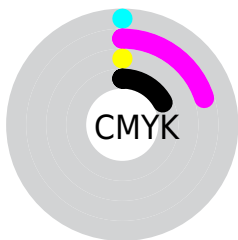
Distribution



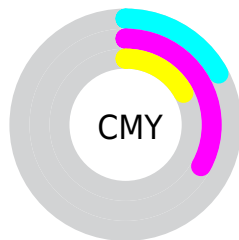
- Red (83%)
- Green (67%)
- Blue (83%)



- Red (83%)
- Yellow (67%)
- Blue (83%)



- Cyan (0%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)





- Cyan (17%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5000, 0.3150, 0.2802 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 47.5000, 0.3150, 0.2802 by changing the saturation by 10% instead.


 47.5000, 0.3150,
0.2802

 47.5000, 0.3150,
0.2802


376.8068, 0.3142,
0.3036

 33.4311, 0.3151,
0.2747


 86.4595, 0.3148,
0.2885

 22.4569, 0.3151,
0.2677


112.1189, 0.3147,
0.2916

 14.1930, 0.3151,
0.2588


142.4105, 0.3146,
0.2943

 8.2550, 0.3149,
0.2468

177.7188, 0.3145,
0.2967

 4.2586, 0.3143,
0.2300

218.4282, 0.3145,
0.2987

 1.8192, 0.3125,
0.2049

264.9231, 0.3144,

 0.4991, 0.3122,

0.3005

317.5878, 0.3143,
0.3021

0.1505

0.0000, 0.0000,
0.0000

47.5000, 0.3150,
0.2802

47.5000, 0.3150,
0.2802

40.1833, 0.3162,
0.2554

56.1022, 0.3138,
0.3051

34.0847, 0.3173,
0.2316

66.0409, 0.3127,
0.3295

29.1398, 0.3183,
0.2098

77.3719, 0.3116,
0.3528

25.2761, 0.3192,
0.1908

90.1459, 0.3106,
0.3747

22.4126, 0.3199,
0.1755

90.2665, 0.3106,
0.3749

■ 20.4573, 0.3204,
0.1644

■ 90.2669, 0.3106,
0.3749

■ 19.3010, 0.3207,
0.1575

■ 90.2674, 0.3106,
0.3749

■ 18.7500, 0.3209,
0.1542

■ 90.2679, 0.3106,
0.3749

■ 18.7403, 0.3209,
0.1541

■ 90.2684, 0.3106,
0.3749

Harmonies

Analogous

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



47.5000, 0.2787, 0.2683



47.5000, 0.3150, 0.2802



47.5000, 0.3528, 0.3033

Triad

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



47.5000, 0.3150, 0.2802



47.5000, 0.3745, 0.3876



47.5000, 0.2494, 0.3190

Complementary

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



47.5000, 0.3150, 0.2802



58.5256, 0.3102, 0.3832

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.



47.5000, 0.2724, 0.3558



47.5000, 0.3150, 0.2802



47.5000, 0.3444, 0.3971

Square

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



47.5000, 0.3150, 0.2802



47.5000, 0.3881, 0.3635



47.5000, 0.3069, 0.3857



47.5000, 0.2426, 0.2880

Rectangle

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



47.5000, 0.3150, 0.2802



47.5000, 0.3729, 0.3227



47.5000, 0.3069, 0.3857



47.5000, 0.2554, 0.3312

Sweetspot

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



47.5021, 0.3150, 0.2802



90.6232, 0.3134, 0.3143



42.3215, 0.2800, 0.2758



19.1885, 0.3135, 0.3127



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.



47.5021, 0.3150, 0.2802



66.9729, 0.3155, 0.2691



46.5433, 0.3322, 0.3031



12.6326, 0.3138, 0.3060



11.5728, 0.3209, 0.1541



0.6980, 0.3209, 0.1541

Inverse Universe

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



45.6543, 0.3516, 0.3291



63.6411, 0.3631, 0.3291



59.3526, 0.2969, 0.3564



12.4208, 0.3291, 0.3290



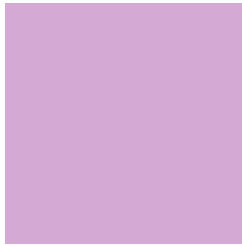
8.6411, 0.6401, 0.3300



0.5212, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 47.5000, 0.3150, 0.2802 looks on a white background.

Color Contrast Check

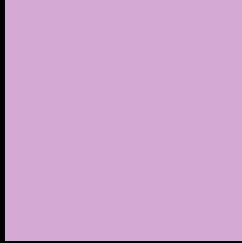
Large Text (above 18pt) WCAG AA × Fail

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 47.5000, 0.3150, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

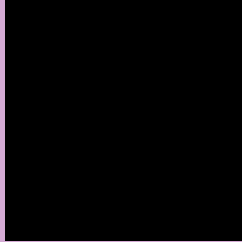
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5000, 0.3150, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 47.5000, 0.3150, 0.2802.



This preview shows how white text looks on a background with the Yxy color 47.5000, 0.3150, 0.2802.

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

47.5000, 0.3150, 0.2802

Protanopia

47.7372, 0.2792, 0.2816

Deuteranopia

47.7122, 0.2971, 0.2908



Tritanopia

47.4583, 0.3322, 0.3121

Trichromacy



Original Color

47.5000, 0.3150, 0.2802

Protanomaly

47.5419, 0.2911, 0.2814

Deuteranomaly

47.6241, 0.3029, 0.2867

Tritanomaly

47.6200, 0.3255, 0.3004

Monochromacy



Original Color

47.5000, 0.3150, 0.2802

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7690, 0.3136, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5000, 0.3150, 0.2802 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, 170, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 212)  
}
```

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, 170, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 212) }
```

Border

The CSS property to change the border of an element to Yxy 47.5000, 0.3150, 0.2802 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, 170, 212) }
```

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

```
.border{ border-color:rgb(212, 170, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 170, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5000, 0.3150, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 212) }
```

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

```
.background{ background-color: rgb(212,  
170, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor