

Converting Colors

Yxy(50.2424, 0.3147, 0.2875)

Have a look what the booklet for
Yxy(50.2424, 0.3147, 0.2875)
contains.

Yxy(50.3945, 0.3147, 0.2874)	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(50.3945, 0.3147, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	D5B1D5
RGB	213, 177, 213
RGB Percent	84%, 69%, 84%
CMY	0.1645, 0.3059, 0.1647
CMYK	0.00, 0.17, 0.00, 0.16
HSL	300°, 30%, 76%
HSV	300°, 17%, 84%
XYZ	55.1815, 50.3945, 69.7703
YIQ	191.8680, 9.9000, 18.8280

Conversions

Conversions Part 2

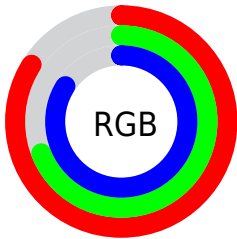
Format	Color
RYB	213, 177, 213
Decimal	14004693
CIELab	76.31, 19.22, -13.27
CIElCh	76, 23.357, 325.385
Yxy	50.3945, 0.3147, 0.2874
Android (android.graphics.Color)	4292194773 (0xFFD5B1D5)
YUV	191.8680, 10.4181, 18.5328
Hunter-Lab	70.9891, 14.5213, -8.5797

Details

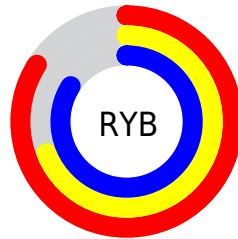
The Yxy color $50.3945, 0.3147, 0.2874$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $60.1302, 0.3106, 0.3744$, and the grayscale version is $52.5682, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $24.1530, 0.3152, 0.2770$ is the 20% darker color. If you saturate the color by 10%, you get $42.6269, 0.3159, 0.2625$, and if you desaturate by 10%, it is $59.4802, 0.3135, 0.3122$.

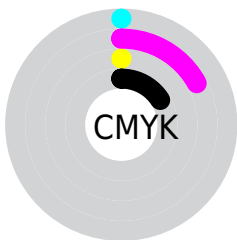
Distribution



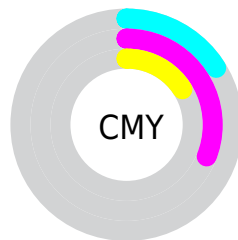
- Red (84%)
- Green (69%)
- Blue (84%)



- Red (84%)
- Yellow (69%)
- Blue (84%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)




- Cyan (16%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3945, 0.3147, 0.2874 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 50.3945, 0.3147, 0.2874 by changing the saturation by 10% instead.


 50.3945, 0.3147,
0.2874

 50.3945, 0.3147,
0.2874


388.2067, 0.3140,
0.3073

 35.7270, 0.3148,
0.2827


 90.7591, 0.3145,
0.2944

 24.2234, 0.3149,
0.2768


117.2250, 0.3144,
0.2971

 15.4994, 0.3149,
0.2693


148.3924, 0.3143,
0.2994

 9.1706, 0.3149,
0.2592

184.6458, 0.3143,
0.3014

 4.8526, 0.3146,
0.2450

226.3695, 0.3142,
0.3031

 2.1611, 0.3136,
0.2238

273.9479, 0.3141,

 0.6986, 0.3114,

0.3047

0.1862

327.7655, 0.3141,
0.3060

■ 0.0000, 0.1437,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3945, 0.3147,
0.2874

■ 50.3945, 0.3147,
0.2874

■ 42.6269, 0.3159,
0.2625

■ 59.4802, 0.3135,
0.3122

■ 36.1100, 0.3171,
0.2383

■ 69.9343, 0.3124,
0.3363

■ 30.7806, 0.3181,
0.2158

■ 81.8124, 0.3113,
0.3592

■ 26.5670, 0.3191,
0.1960

■ 90.4810, 0.3106,
0.3735

■ 23.3900, 0.3199,
0.1796

■ 90.4821, 0.3106,
0.3735

■ 21.1600, 0.3205,
0.1672

■ 90.4833, 0.3106,
0.3735

■ 19.7723, 0.3209,
0.1592

■ 90.4844, 0.3106,
0.3735

■ 19.0896, 0.3211,
0.1552

■ 90.4856, 0.3105,
0.3734

■ 18.9469, 0.3212,
0.1543

■ 90.4867, 0.3105,
0.3734

Harmonies

Analogous

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



50.3945, 0.2840, 0.2773



50.3945, 0.3147, 0.2874



50.3945, 0.3463, 0.3072

Triad

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



50.3945, 0.3147, 0.2874



50.3945, 0.3649, 0.3786



50.3945, 0.2591, 0.3211

Complementary

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



50.3945, 0.3147, 0.2874



60.1302, 0.3106, 0.3744

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.



50.3945, 0.2789, 0.3516



50.3945, 0.3147, 0.2874



50.3945, 0.3398, 0.3859

Square

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



50.3945, 0.3147, 0.2874



50.3945, 0.3761, 0.3586



50.3945, 0.3082, 0.3762



50.3945, 0.2531, 0.2949

Rectangle

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



50.3945, 0.3147, 0.2874



50.3945, 0.3631, 0.3239



50.3945, 0.3082, 0.3762



50.3945, 0.2643, 0.3312

Sweetspot

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



50.3967, 0.3147, 0.2874



92.1323, 0.3133, 0.3168



45.5924, 0.2852, 0.2835



19.4926, 0.3134, 0.3151



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.



50.3967, 0.3147, 0.2874



71.6623, 0.3151, 0.2792



49.5333, 0.3294, 0.3077



12.6325, 0.3138, 0.3061



11.5688, 0.3212, 0.1543



0.6978, 0.3211, 0.1543

Inverse Universe

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



50.3967, 0.3147, 0.2874



71.6623, 0.3151, 0.2792



60.8956, 0.2987, 0.3513



12.6325, 0.3138, 0.3061



11.5688, 0.3212, 0.1543



0.6978, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 50.3945, 0.3147, 0.2874 looks on a white background.

Color Contrast Check

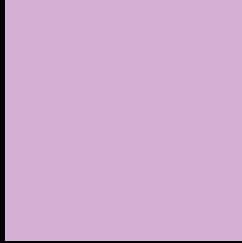
Large Text (above 18pt) WCAG AA × Fail

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 50.3945, 0.3147, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

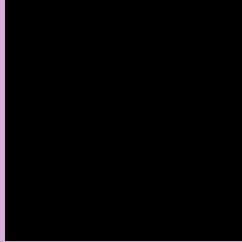
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3945, 0.3147, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 50.3945, 0.3147, 0.2874.



This preview shows how white text looks on a background with the Yxy color 50.3945, 0.3147, 0.2874.

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

50.3945, 0.3147, 0.2874

Protanopia

50.6002, 0.2855, 0.2898

Deuteranopia

50.3562, 0.3013, 0.2941



Tritanopia

50.2392, 0.3273, 0.3124

Trichromacy



Original Color

50.3945, 0.3147, 0.2874

Protanomaly

50.2142, 0.2952, 0.2881

Deuteranomaly

50.3578, 0.3062, 0.2922

Tritanomaly

50.3061, 0.3225, 0.3031

Monochromacy



Original Color

50.3945, 0.3147, 0.2874

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.9901, 0.3135, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3945, 0.3147, 0.2874 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, 177, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 177, 213)  
}
```

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, 177, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 177, 213) }
```

Border

The CSS property to change the border of an element to Yxy 50.3945, 0.3147, 0.2874 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, 177, 213) }
```

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

```
.border{ border-color:rgb(213, 177, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 177, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 177, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 177, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 177,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3945, 0.3147, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 177, 213) }
```

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

```
.background{ background-color: rgb(213,  
177, 213) }
```

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