

Converting Colors

$Y_{xy}(47.8530, 0.3193, 0.2630)$

Have a look what the booklet for
Yxy(47.8530, 0.3193, 0.2630)
contains.

Yxy(47.8530, 0.3193, 0.2630)	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(47.8530, 0.3193, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	E3A3DF
RGB	227, 163, 223
RGB Percent	89%, 64%, 87%
CMY	0.1098, 0.3608, 0.1254
CMYK	0.00, 0.28, 0.02, 0.11
HSL	304°, 53%, 76%
HSV	304°, 28%, 89%
XYZ	58.0968, 47.8530, 76.0008
YIQ	188.9760, 18.8840, 32.2280

Conversions

Conversions Part 2

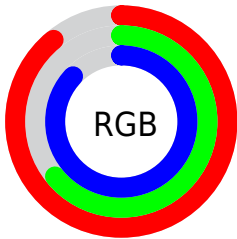
Format	Color
R _Y B	227, 163, 223
Decimal	14918623
CIE Lab	74.73, 33.25, -20.98
CIE LCh	75, 39.312, 327.751
Yxy	47.8530, 0.3193, 0.2630
Android (android.graphics.Color)	4293108703 (0xFFE3A3DF)
YUV	188.9760, 16.7738, 33.3470
Hunter-Lab	69.1759, 28.8541, -16.7164

Details

The Yxy color $47.8530, 0.3193, 0.2630$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $65.5142, 0.3065, 0.4053$, and the grayscale version is $50.7703, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1430, 0.3144, 0.2940$, and $22.6369, 0.3202, 0.2462$ is the 20% darker color. If you saturate the color by 10%, you get $40.4287, 0.3220, 0.2400$, and if you desaturate by 10%, it is $56.7289, 0.3168, 0.2867$.

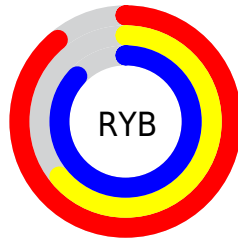
Distribution



Red (89%)

Green (64%)

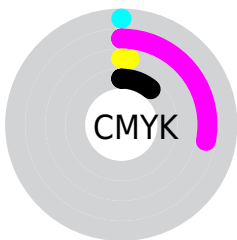
Blue (87%)



Red (89%)

Yellow (64%)

Blue (87%)

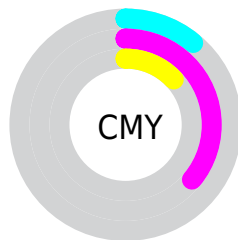


Cyan (0%)

Magenta (28%)

Yellow (2%)

Black (11%)



Cyan (11%)


Magenta (36%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8530, 0.3193, 0.2630 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 47.8530, 0.3193, 0.2630 by changing the saturation by 10% instead.


 47.8530, 0.3193,
0.2630


 47.8530, 0.3193,
0.2630


378.2092, 0.3168,
0.2940

 33.7105, 0.3197,
0.2558


 86.9855, 0.3185,
0.2738

 22.6713, 0.3202,
0.2469


 112.7443, 0.3182,
0.2780

 14.3510, 0.3206,
0.2356


143.1439, 0.3179,
0.2816

 8.3652, 0.3209,
0.2208

178.5688, 0.3176,
0.2848

 4.3295, 0.3208,
0.2006

219.4034, 0.3174,
0.2875

 1.8595, 0.3196,
0.1718

266.0321, 0.3172,

 0.5239, 0.3179,

0.2899

0.1188

318.8392, 0.3170,
0.2921

0.0000, 0.2363,
0.0000

0.0000, 0.0000,
0.0000

47.8530, 0.3193,
0.2630

47.8530, 0.3193,
0.2630

40.4287, 0.3220,
0.2400

56.7289, 0.3168,
0.2867

34.3722, 0.3247,
0.2186

67.1217, 0.3145,
0.3102

29.6011, 0.3275,
0.1998

79.1004, 0.3124,
0.3331

26.0212, 0.3302,
0.1845

92.7279, 0.3105,
0.3548

■ 23.5258, 0.3327,
0.1732

■ 93.5684, 0.3096,
0.3545

■ 21.9891, 0.3350,
0.1664

■ 93.6480, 0.3088,
0.3530

■ 21.2312, 0.3370,
0.1635

■ 93.7283, 0.3080,
0.3515

■ 21.1292, 0.3374,
0.1632

■ 93.8093, 0.3072,
0.3501

■ 93.8909, 0.3064,
0.3486

Harmonies

Analogous

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



47.8530, 0.2673, 0.2452



47.8530, 0.3193, 0.2630



47.8530, 0.3739, 0.2952

Triad

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



47.8530, 0.3193, 0.2630



47.8530, 0.3976, 0.4134



47.8530, 0.2221, 0.3090

Complementary

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



47.8530, 0.3193, 0.2630



65.5142, 0.3065, 0.4053

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.



47.8530, 0.2517, 0.3638



47.8530, 0.3193, 0.2630



47.8530, 0.3525, 0.4282

Square

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



47.8530, 0.3193, 0.2630



47.8530, 0.4206, 0.3783



47.8530, 0.2990, 0.4107



47.8530, 0.2150, 0.2669

Rectangle

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



47.8530, 0.3193, 0.2630



47.8530, 0.4024, 0.3218



47.8530, 0.2990, 0.4107



47.8530, 0.2296, 0.3266

Sweetspot

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



47.8551, 0.3193, 0.2630



87.5864, 0.3144, 0.3105



39.8704, 0.2659, 0.2481



18.2797, 0.3148, 0.3070



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.



47.8551, 0.3193, 0.2630



56.2538, 0.3209, 0.2490



46.3232, 0.3469, 0.2961



14.5989, 0.3147, 0.3073



12.3292, 0.3371, 0.1631



0.9158, 0.3345, 0.1616

Inverse Universe

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



47.8551, 0.3193, 0.2630



56.2538, 0.3209, 0.2490



66.8114, 0.2881, 0.3646



14.5989, 0.3147, 0.3073



12.3292, 0.3371, 0.1631



0.9158, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 47.8530, 0.3193, 0.2630 looks on a white background.

Color Contrast Check

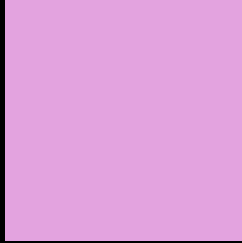
Large Text (above 18pt) WCAG AA × Fail

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 47.8530, 0.3193, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

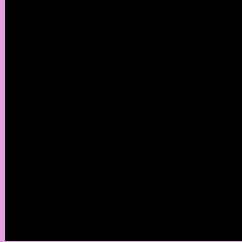
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8530, 0.3193, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 47.8530, 0.3193, 0.2630.



This preview shows how white text looks on a background with the Yxy color 47.8530, 0.3193, 0.2630.

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

47.8530, 0.3193, 0.2630

Protanopia

48.1164, 0.2647, 0.2621

Deuteranopia

48.1241, 0.2867, 0.2802



Tritanopia

47.7397, 0.3482, 0.3127

Trichromacy



Original Color

47.8530, 0.3193, 0.2630



Protanomaly

47.5625, 0.2827, 0.2617



Deuteranomaly

47.7719, 0.2978, 0.2735



Tritanomaly

47.5619, 0.3379, 0.2935

Monochromacy



Original Color

47.8530, 0.3193, 0.2630



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.5561, 0.3156, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8530, 0.3193, 0.2630 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(227, 163, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 163, 223)  
}
```

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(227, 163, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 163, 223) }
```

Border

The CSS property to change the border of an element to Yxy 47.8530, 0.3193, 0.2630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

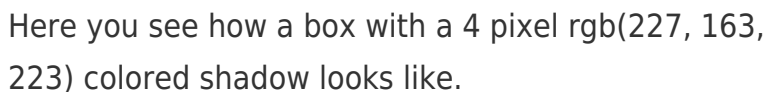
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 163, 223) }
```

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

```
.border{ border-color:rgb(227, 163, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 163, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 163, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 163, 223); box-shadow:4px 4px 4px 4px rgb(227, 163, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8530, 0.3193, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 163, 223) }
```

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

```
.background{ background-color: rgb(227,  
163, 223) }
```

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