

# Converting Colors

$Yxy(52.2394, 0.3191, 0.2783)$

Have a look what the booklet for  
Yxy(52.2394, 0.3191, 0.2783)  
contains.

<b>Yxy(52.0492, 0.3193, 0.2782)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.0492, 0.3193, 0.2782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2AFDD
RGB	226, 175, 221
RGB Percent	89%, 69%, 87%
CMY	0.1138, 0.3137, 0.1333
CMYK	0.00, 0.23, 0.02, 0.11
HSL	306°, 47%, 79%
HSV	306°, 23%, 89%
XYZ	59.7387, 52.0492, 75.3048
YIQ	195.4930, 15.6300, 25.1180

# Conversions

## Conversions Part 2

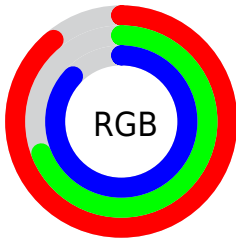
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 175, 221
Decimal	14856157
CIE Lab	77.31, 26.10, -15.99
CIE LCh	77, 30.604, 328.503
Yxy	52.0492, 0.3193, 0.2782
Android (android.graphics.Color)	4293046237 (0xFFE2AFDD)
YUV	195.4930, 12.5750, 26.7546
Hunter-Lab	72.1451, 21.5503, -11.3851

# Details

The Yxy color  $52.0492, 0.3193, 0.2782$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $66.7890, 0.3067, 0.3857$ , and the grayscale version is  $54.7996, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6318, 0.3138, 0.3058$ , and  $25.2183, 0.3203, 0.2655$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8611, 0.3227, 0.2555$ , and if you desaturate by 10%, it is  $61.7153, 0.3162, 0.3011$ .

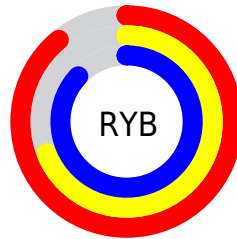
# Distribution



Red (89%)

Green (69%)

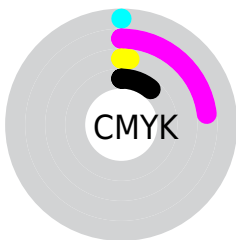
Blue (87%)



Red (89%)

Yellow (69%)

Blue (87%)

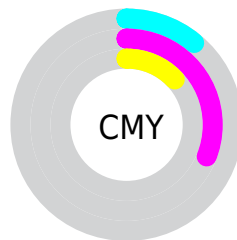


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (31%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0492, 0.3193, 0.2782 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 52.0492, 0.3193, 0.2782 by changing the saturation by 10% instead.





 52.0492, 0.3193,  
0.2782

 52.0492, 0.3193,  
0.2782


394.6265, 0.3165,  
0.3021

 37.0443, 0.3199,  
0.2727


 93.2038, 0.3184,  
0.2866

 25.2418, 0.3205,  
0.2658

120.1223, 0.3180,  
0.2898

 16.2573, 0.3213,  
0.2570


151.7807, 0.3177,  
0.2926

 9.7064, 0.3221,  
0.2455

188.5636, 0.3174,  
0.2950

 5.2047, 0.3231,  
0.2296

230.8552, 0.3171,  
0.2971

 2.3679, 0.3239,  
0.2065

279.0399, 0.3169,

 0.8093, 0.3236,

0.2989

0.1699

333.5022, 0.3167,  
0.3006

0.0000, 0.3085,  
0.0000

0.0000, 0.0000,  
0.0000

52.0492, 0.3193,  
0.2782

52.0492, 0.3193,  
0.2782

43.8611, 0.3227,  
0.2555

61.7153, 0.3162,  
0.3011

37.0710, 0.3264,  
0.2337


72.9207, 0.3134,  
0.3234


31.6016, 0.3303,  
0.2138


85.7314, 0.3109,  
0.3448

27.3656, 0.3342,  
0.1968


93.3876, 0.3091,  
0.3548


 24.2650, 0.3380,  
0.1835


 93.5121, 0.3079,  
0.3525

 22.1869, 0.3417,  
0.1745


 93.6382, 0.3067,  
0.3502

 20.9955, 0.3451,  
0.1699

 93.7659, 0.3054,  
0.3479

 20.5205, 0.3475,  
0.1688

 93.8952, 0.3042,  
0.3456

 94.0261, 0.3030,  
0.3433

# Harmonies

## Analogous

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



52.0492, 0.2792, 0.2639



52.0492, 0.3193, 0.2782



52.0492, 0.3600, 0.3040

# Triad

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



52.0492, 0.3193, 0.2782



52.0492, 0.3773, 0.3946



52.0492, 0.2424, 0.3139

# Complementary

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



52.0492, 0.3193, 0.2782



66.7890, 0.3067, 0.3857

# 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.



52.0492, 0.2656, 0.3543



52.0492, 0.3193, 0.2782



52.0492, 0.3431, 0.4033

# Square

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



52.0492, 0.3193, 0.2782



52.0492, 0.3944, 0.3692



52.0492, 0.3021, 0.3887



52.0492, 0.2370, 0.2816



# Rectangle

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



52.0492, 0.3193, 0.2782



52.0492, 0.3810, 0.3252



52.0492, 0.3021, 0.3887



52.0492, 0.2483, 0.3271

# Sweetspot

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



52.0515, 0.3193, 0.2782



89.0236, 0.3146, 0.3135



45.7711, 0.2778, 0.2665



18.8625, 0.3148, 0.3121



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.



52.0515, 0.3193, 0.2782



63.2359, 0.3209, 0.2676



50.8278, 0.3400, 0.3049



13.9114, 0.3153, 0.3081



11.7199, 0.3470, 0.1685



0.8191, 0.3425, 0.1660



# Inverse Universe

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



52.0515, 0.3193, 0.2782



63.2359, 0.3209, 0.2676



67.8895, 0.2917, 0.3545



13.9114, 0.3153, 0.3081



11.7199, 0.3470, 0.1685

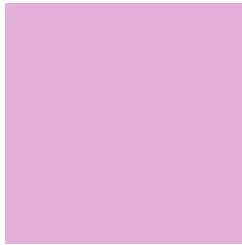


0.8191, 0.3425, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 52.0492, 0.3193, 0.2782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

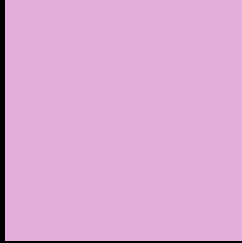
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0492, 0.3193, 0.2782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

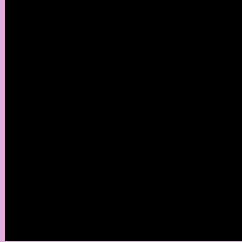
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0492, 0.3193, 0.2782**

## Background



This preview shows how black text looks on a background with the Yxy color 52.0492, 0.3193, 0.2782.



This preview shows how white text looks on a background with the Yxy color 52.0492, 0.3193, 0.2782.

# 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

52.0492, 0.3193, 0.2782

### Protanopia

52.1098, 0.2777, 0.2787

### Deuteranopia

52.1026, 0.2969, 0.2899



## Tritanopia

52.0672, 0.3377, 0.3129

# Trichromacy



## Original Color

52.0492, 0.3193, 0.2782

## Protanomaly

51.8328, 0.2920, 0.2788

## Deuteranomaly

52.0331, 0.3050, 0.2851

## Tritanomaly

51.8884, 0.3304, 0.2995

# Monochromacy



## Original Color

52.0492, 0.3193, 0.2782

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

53.4479, 0.3152, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0492, 0.3193, 0.2782 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(226, 175, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 175, 221)  
}
```

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(226, 175, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 175, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0492, 0.3193, 0.2782 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(226, 175, 221) }
```

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

```
.border{ border-color:rgb(226, 175, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 175, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 175, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 175, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 175,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0492, 0.3193, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 175, 221) }
```

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

```
.background{ background-color: rgb(226,  
175, 221) }
```

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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