

# Converting Colors

$Y_{xy}(52.9795, 0.3215, 0.3013)$

Have a look what the booklet for  
Yxy(52.9795, 0.3215, 0.3013)  
contains.

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# Color

**Yxy(52.9709, 0.3215, 0.3014)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8B7CF
RGB	216, 183, 207
RGB Percent	85%, 72%, 81%
CMY	0.1531, 0.2823, 0.1882
CMYK	0.00, 0.15, 0.04, 0.15
HSL	316°, 30%, 78%
HSV	316°, 15%, 85%
XYZ	56.5035, 52.9709, 66.2751
YIQ	195.6030, 11.9640, 14.4600

# Conversions

## Conversions Part 2

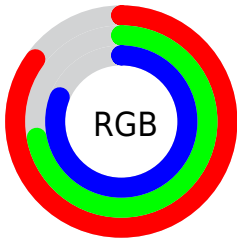
Format	Color
R <sub>Y</sub> B	216, 183, 207
Decimal	14202831
CIE Lab	77.86, 15.86, -7.67
CIE LCh	78, 17.618, 334.183
Yxy	52.9709, 0.3215, 0.3014
Android (android.graphics.Color)	4292392911 (0xFFD8B7CF)
YUV	195.6030, 5.6187, 17.8882
Hunter-Lab	72.7811, 11.2112, -3.0432

# Details

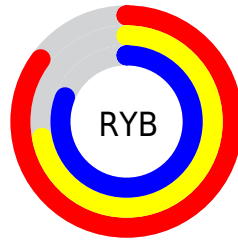
The Yxy color  $52.9709, 0.3215, 0.3014$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $62.9617, 0.3049, 0.3583$ , and the grayscale version is  $54.9109, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.2130, 0.3134, 0.3136$ , and  $25.8422, 0.3234, 0.2940$  is the 20% darker color. If you saturate the color by 10%, you get  $44.4543, 0.3285, 0.2826$ , and if you desaturate by 10%, it is  $62.8696, 0.3155, 0.3197$ .

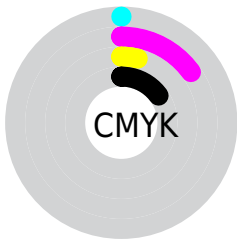
# Distribution



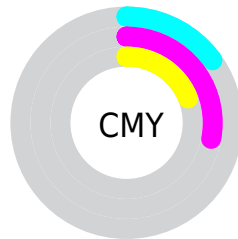
- Red (85%)
- Green (72%)
- Blue (81%)



- Red (85%)
- Yellow (72%)
- Blue (81%)



- Cyan (0%)
- Magenta (15%)
- Yellow (4%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9709, 0.3215, 0.3014 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 52.9709, 0.3215, 0.3014 by changing the saturation by 10% instead.





 52.9709, 0.3215,  
0.3014

 52.9709, 0.3215,  
0.3014


398.1735, 0.3173,  
0.3146

 37.7795, 0.3225,  
0.2983

 94.5615, 0.3200,  
0.3061

 25.8116, 0.3237,  
0.2943


121.7296, 0.3195,  
0.3079

 16.6828, 0.3252,  
0.2893


153.6587, 0.3190,  
0.3094

 10.0086, 0.3273,  
0.2824

190.7333, 0.3186,  
0.3107

 5.4046, 0.3302,  
0.2728

233.3376, 0.3182,  
0.3119

 2.4866, 0.3345,  
0.2582

281.8561, 0.3179,

 0.8699, 0.3415,

0.3129

0.2336

336.6733, 0.3176,  
0.3138

■ 0.0000, 0.3677,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.9709, 0.3215,  
0.3014

■ 52.9709, 0.3215,  
0.3014

■ 44.4543, 0.3285,  
0.2826

■ 62.8696, 0.3155,  
0.3197

■ 37.2507, 0.3365,  
0.2637

■ 74.2017, 0.3104,  
0.3372

■ 31.2953, 0.3456,  
0.2456

■ 87.0243, 0.3061,  
0.3535

■ 26.5152, 0.3557,  
0.2292

■ 91.8521, 0.3027,  
0.3545

■ 22.8299, 0.3665,  
0.2155

■ 92.1885, 0.2994,  
0.3483

■ 20.1486, 0.3777,  
0.2056

■ 92.5362, 0.2962,  
0.3421

■ 18.3660, 0.3890,  
0.2002

■ 92.8953, 0.2931,  
0.3360

■ 17.3529, 0.4000,  
0.1997

■ 93.2658, 0.2899,  
0.3300

■ 17.0335, 0.4052,  
0.2006

■ 93.3315, 0.2894,  
0.3289

# Harmonies

## Analogous

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



52.9709, 0.2977, 0.2914



52.9709, 0.3215, 0.3014



52.9709, 0.3436, 0.3182

# Triad

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



52.9709, 0.3215, 0.3014



52.9709, 0.3470, 0.3686



52.9709, 0.2701, 0.3172

# Complementary

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



52.9709, 0.3215, 0.3014



62.9617, 0.3049, 0.3583

# 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.



52.9709, 0.2823, 0.3393



52.9709, 0.3215, 0.3014



52.9709, 0.3265, 0.3700

# Square

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



52.9709, 0.3215, 0.3014



52.9709, 0.3585, 0.3566



52.9709, 0.3028, 0.3592



52.9709, 0.2688, 0.2995



# Rectangle

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



52.9709, 0.3215, 0.3014



52.9709, 0.3540, 0.3314



52.9709, 0.3028, 0.3592



52.9709, 0.2730, 0.3244

# Sweetspot

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



52.9732, 0.3215, 0.3014



91.9119, 0.3154, 0.3201



50.0132, 0.2950, 0.2892



19.4388, 0.3158, 0.3188



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.



52.9732, 0.3215, 0.3014



73.3520, 0.3234, 0.2959



52.2171, 0.3347, 0.3200



12.5724, 0.3179, 0.3122



10.1062, 0.4036, 0.1997



0.6231, 0.3862, 0.1901



# Inverse Universe

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



52.9732, 0.3215, 0.3014



73.3520, 0.3234, 0.2959



63.7242, 0.2945, 0.3382



12.5724, 0.3179, 0.3122



10.1062, 0.4036, 0.1997

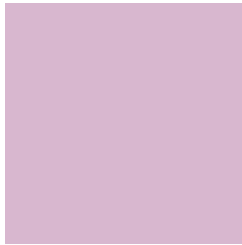


0.6231, 0.3862, 0.1901



# Previews

## White Background



This preview shows how the Yxy color 52.9709, 0.3215, 0.3014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

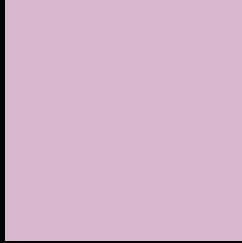
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9709, 0.3215, 0.3014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

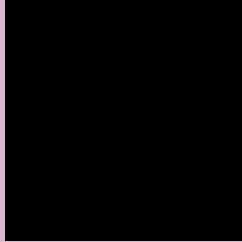
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9709, 0.3215, 0.3014**

## Background



This preview shows how black text looks on a background with the Yxy color 52.9709, 0.3215, 0.3014.



This preview shows how white text looks on a background with the Yxy color 52.9709, 0.3215, 0.3014.

# 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

52.9709, 0.3215, 0.3014

### Protanopia

52.9622, 0.2966, 0.3035

### Deuteranopia

52.9760, 0.3130, 0.3065



## Tritanopia

52.8516, 0.3270, 0.3116

# Trichromacy



## Original Color

52.9709, 0.3215, 0.3014

## Protanomaly

52.7617, 0.3051, 0.3027

## Deuteranomaly

53.1294, 0.3163, 0.3056

## Tritanomaly

52.9923, 0.3246, 0.3081

# Monochromacy



## Original Color

52.9709, 0.3215, 0.3014

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

54.1282, 0.3157, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9709, 0.3215, 0.3014 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(216, 183, 207)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 207)  
}
```

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(216, 183, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9709, 0.3215, 0.3014 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(216, 183, 207) }
```

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

```
.border{ border-color:rgb(216, 183, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 183, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9709, 0.3215, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 207) }
```

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

```
.background{ background-color: rgb(216,  
183, 207) }
```

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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