

# Converting Colors

Yxy(51.1651, 0.3286, 0.3014)

Have a look what the booklet for  
Yxy(51.1651, 0.3286, 0.3014)  
contains.

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# Color

**Yxy(51.1651, 0.3286, 0.3014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBB2CA
RGB	219, 178, 202
RGB Percent	86%, 70%, 79%
CMY	0.1414, 0.3019, 0.2079
CMYK	0.00, 0.19, 0.08, 0.14
HSL	325°, 36%, 78%
HSV	325°, 19%, 86%
XYZ	55.7825, 51.1651, 62.8105
YIQ	192.9950, 16.7320, 16.1560

# Conversions

## Conversions Part 2

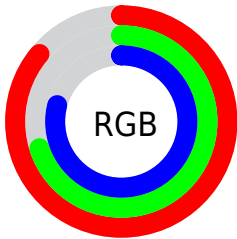
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 178, 202
Decimal	14398154
CIE <sub>Lab</sub>	76.78, 18.71, -6.53
CIE <sub>LCh</sub>	77, 19.819, 340.775
Yxy	51.1651, 0.3286, 0.3014
Android (android.graphics.Color)	4292588234 (0xFFDDBB2CA)
YUV	192.9950, 4.4395, 22.8064
Hunter-Lab	71.5298, 14.0262, -1.9919

# Details

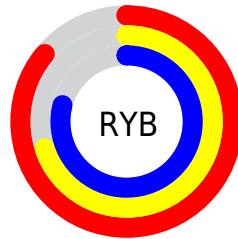
The Yxy color **51.1651, 0.3286, 0.3014** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **64.0437, 0.2995, 0.3583**, and the grayscale version is **53.2903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **24.6979, 0.3332, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **42.7201, 0.3395, 0.2859**, and if you desaturate by 10%, it is **61.0305, 0.3194, 0.3165**.

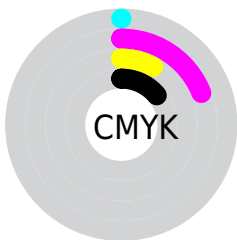
# Distribution



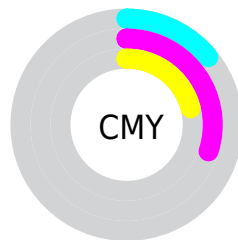
- Red (86%)
- Green (70%)
- Blue (79%)



- Red (86%)
- Yellow (70%)
- Blue (79%)



- Cyan (0%)
- Magenta (19%)
- Yellow (8%)
- Black (14%)




- Cyan (14%)
- Magenta (30%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1651, 0.3286, 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 51.1651, 0.3286, 0.3014 by changing the saturation by 10% instead.




 51.1651, 0.3286,  
0.3014

 51.1651, 0.3286,  
0.3014


391.2049, 0.3209,  
0.3147

 36.3400, 0.3304,  
0.2982


 91.8988, 0.3259,  
0.3061

 24.6969, 0.3328,  
0.2942


118.5762, 0.3248,  
0.3079

 15.8514, 0.3358,  
0.2891


149.9731, 0.3239,  
0.3095

 9.4191, 0.3399,  
0.2821

186.4740, 0.3232,  
0.3108

 5.0155, 0.3457,  
0.2722

228.4632, 0.3225,  
0.3120

 2.2564, 0.3547,  
0.2570

276.3252, 0.3219,

 0.7505, 0.3712,

0.3130

0.2293

330.4443, 0.3214,  
0.3139

0.0000, 0.6343,  
0.0000

0.0000, 0.0000,  
0.0000

51.1651, 0.3286,  
0.3014

51.1651, 0.3286,  
0.3014

42.7201, 0.3395,  
0.2859

61.0305, 0.3194,  
0.3165

35.6224, 0.3522,  
0.2705

72.3714, 0.3118,  
0.3308

29.8028, 0.3669,  
0.2558

85.2481, 0.3054,  
0.3443

25.1829, 0.3835,  
0.2430

92.7615, 0.3002,  
0.3462

■ 21.6758, 0.4017,  
0.2331

■ 93.3089, 0.2952,  
0.3368

■ 19.1827, 0.4209,  
0.2274

■ 93.7922, 0.2911,  
0.3289

■ 17.5871, 0.4404,  
0.2267

■ 16.7111, 0.4593,  
0.2310

■ 16.6174, 0.4618,  
0.2318

# Harmonies

## Analogous

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



51.1651, 0.3013, 0.2881



51.1651, 0.3286, 0.3014



51.1651, 0.3523, 0.3214

# Triad

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



51.1651, 0.3286, 0.3014



51.1651, 0.3472, 0.3757



51.1651, 0.2630, 0.3103

# Complementary

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



51.1651, 0.3286, 0.3014



64.0437, 0.2995, 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.



51.1651, 0.2742, 0.3351



51.1651, 0.3286, 0.3014



51.1651, 0.3224, 0.3743

# Square

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



51.1651, 0.3286, 0.3014



51.1651, 0.3632, 0.3640



51.1651, 0.2957, 0.3592



51.1651, 0.2644, 0.2922



# Rectangle

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



51.1651, 0.3286, 0.3014



51.1651, 0.3625, 0.3365



51.1651, 0.2957, 0.3592



51.1651, 0.2654, 0.3181

# Sweetspot

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



51.1674, 0.3286, 0.3014



90.2222, 0.3173, 0.3204



48.4845, 0.2948, 0.2800



19.0935, 0.3178, 0.3194



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.



51.1674, 0.3286, 0.3014



67.8735, 0.3322, 0.2960



50.2855, 0.3455, 0.3243



13.1788, 0.3201, 0.3154



9.8807, 0.4591, 0.2303



0.6571, 0.4305, 0.2145



# Inverse Universe

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



51.1674, 0.3286, 0.3014



67.8735, 0.3322, 0.2960



65.0035, 0.2872, 0.3338



13.1788, 0.3201, 0.3154



9.8807, 0.4591, 0.2303

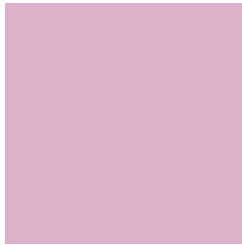


0.6571, 0.4305, 0.2145



# Previews

## White Background



This preview shows how the Yxy color 51.1651, 0.3286, 0.3014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

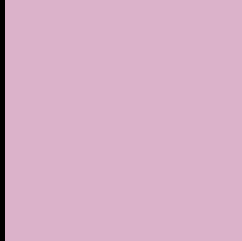
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1651, 0.3286, 0.3014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

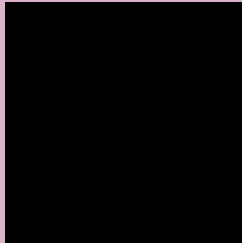
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1651, 0.3286, 0.3014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1651, 0.3286, 0.3014.



This preview shows how white text looks on a background with the Yxy color 51.1651, 0.3286, 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

51.1651, 0.3286, 0.3014

### Protanopia

51.2119, 0.2978, 0.3044

### Deuteranopia

51.1945, 0.3153, 0.3086



## Tritanopia

50.9959, 0.3352, 0.3127

# Trichromacy



## Original Color

51.1651, 0.3286, 0.3014

## Protanomaly

50.8793, 0.3082, 0.3025

## Deuteranomaly

51.2283, 0.3205, 0.3065

## Tritanomaly

51.1311, 0.3327, 0.3093

# Monochromacy



## Original Color

51.1651, 0.3286, 0.3014

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

52.5085, 0.3181, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1651, 0.3286, 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(219, 178, 202)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 202)  
}
```

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(219, 178, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1651, 0.3286, 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(219, 178, 202) }
```

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

```
.border{ border-color:rgb(219, 178, 202) }
```

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

Here you see how a box with a 4 pixel rgb(219, 178, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 202);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1651, 0.3286, 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(219, 178, 202) }
```

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

```
.background{ background-color: rgb(219,  
178, 202) }
```

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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