

# Converting Colors

$Y_{xy}(53.3032, 0.3270, 0.2954)$

Have a look what the booklet for  
Yxy(53.3032, 0.3270, 0.2954)  
contains.

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# Color

**Yxy(53.3032, 0.3270, 0.2954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1B4D2
RGB	225, 180, 210
RGB Percent	88%, 71%, 82%
CMY	0.1176, 0.2941, 0.1766
CMYK	0.00, 0.20, 0.07, 0.12
HSL	320°, 43%, 79%
HSV	320°, 20%, 88%
XYZ	59.0052, 53.3032, 68.1357
YIQ	196.8750, 17.1900, 18.8700

# Conversions

## Conversions Part 2

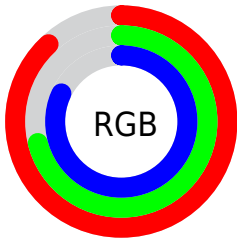
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 180, 210
Decimal	14791890
CIE Lab	78.05, 21.13, -8.91
CIE LCh	78, 22.931, 337.145
Yxy	53.3032, 0.3270, 0.2954
Android (android.graphics.Color)	4292981970 (0xFFE1B4D2)
YUV	196.8750, 6.4706, 24.6656
Hunter-Lab	73.0090, 16.4962, -4.2261

# Details

The Yxy color  $53.3032, 0.3270, 0.2954$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $67.5018, 0.3008, 0.3652$ , and the grayscale version is  $55.7092, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4709, 0.3136, 0.3107$ , and  $26.0141, 0.3296, 0.2863$  is the 20% darker color. If you saturate the color by 10%, you get  $44.5800, 0.3361, 0.2779$ , and if you desaturate by 10%, it is  $63.5234, 0.3193, 0.3126$ .

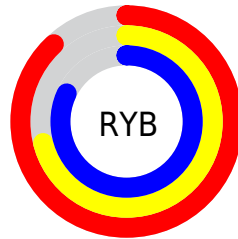
# Distribution



Red (88%)

Green (71%)

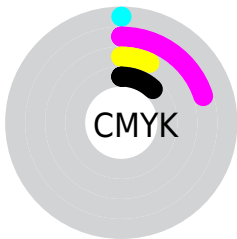
Blue (82%)



Red (88%)

Yellow (71%)

Blue (82%)

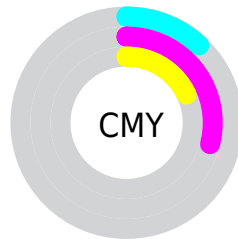


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (12%)



Cyan (12%)

Magenta (29%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3032, 0.3270, 0.2954 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 53.3032, 0.3270, 0.2954 by changing the saturation by 10% instead.





 53.3032, 0.3270,  
0.2954

 53.3032, 0.3270,  
0.2954


399.4473, 0.3202,  
0.3114

 38.0449, 0.3286,  
0.2916


 95.0504, 0.3246,  
0.3010

 26.0175, 0.3306,  
0.2869

122.3080, 0.3237,  
0.3032

 16.8367, 0.3331,  
0.2809


154.3342, 0.3229,  
0.3050

 10.1182, 0.3365,  
0.2729

191.5133, 0.3222,  
0.3066

 5.4774, 0.3412,  
0.2616

234.2298, 0.3216,  
0.3081

 2.5300, 0.3482,  
0.2447

282.8680, 0.3211,

 0.8916, 0.3597,

0.3093

0.2169

337.8124, 0.3207,  
0.3104

0.0000, 0.4449,  
0.0000

0.0000, 0.0000,  
0.0000

53.3032, 0.3270,  
0.2954

53.3032, 0.3270,  
0.2954

44.5800, 0.3361,  
0.2779

63.5234, 0.3193,  
0.3126

37.2755, 0.3466,  
0.2606

75.3000, 0.3127,  
0.3290

31.3148, 0.3584,  
0.2444

88.6978, 0.3072,  
0.3445

26.6134, 0.3716,  
0.2303

93.8230, 0.3028,  
0.3442

■ 23.0770, 0.3857,  
0.2194

■ 94.2791, 0.2987,  
0.3365

■ 20.5982, 0.4004,  
0.2127

■ 94.7493, 0.2946,  
0.3289

■ 19.0491, 0.4150,  
0.2110

■ 18.2064, 0.4293,  
0.2139

# Harmonies

## Analogous

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



53.3032, 0.2960, 0.2816



53.3032, 0.3270, 0.2954



53.3032, 0.3552, 0.3173

# Triad

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



53.3032, 0.3270, 0.2954



53.3032, 0.3549, 0.3813



53.3032, 0.2570, 0.3106

# Complementary

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



53.3032, 0.3270, 0.2954



67.5018, 0.3008, 0.3652

# 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.



53.3032, 0.2712, 0.3394



53.3032, 0.3270, 0.2954



53.3032, 0.3272, 0.3821

# Square

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



53.3032, 0.3270, 0.2954



53.3032, 0.3715, 0.3662



53.3032, 0.2967, 0.3665



53.3032, 0.2569, 0.2889



# Rectangle

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



53.3032, 0.3270, 0.2954



53.3032, 0.3680, 0.3341



53.3032, 0.2967, 0.3665



53.3032, 0.2603, 0.3197

# Sweetspot

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



53.3056, 0.3270, 0.2954



90.2989, 0.3165, 0.3192



49.6841, 0.2909, 0.2758



19.1116, 0.3170, 0.3181



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.



53.3056, 0.3270, 0.2954



65.7272, 0.3306, 0.2881



52.2631, 0.3459, 0.3205



13.8537, 0.3189, 0.3135



10.5128, 0.4272, 0.2127



0.7451, 0.4067, 0.2014



# Inverse Universe

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



53.3056, 0.3270, 0.2954



65.7272, 0.3306, 0.2881



68.5963, 0.2873, 0.3378



13.8537, 0.3189, 0.3135



10.5128, 0.4272, 0.2127

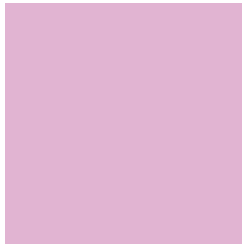


0.7451, 0.4067, 0.2014



# Previews

## White Background



This preview shows how the Yxy color 53.3032, 0.3270, 0.2954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

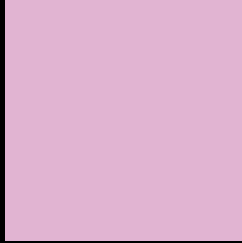
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3032, 0.3270, 0.2954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

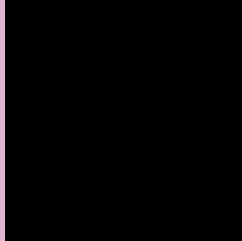
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3032, 0.3270, 0.2954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3032, 0.3270, 0.2954.



This preview shows how white text looks on a background with the Yxy color 53.3032, 0.3270, 0.2954.

# 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

53.3032, 0.3270, 0.2954

### Protanopia

53.6562, 0.2931, 0.2989

### Deuteranopia

53.5490, 0.3106, 0.3043



## Tritanopia

53.1294, 0.3366, 0.3130

# Trichromacy



## Original Color

53.3032, 0.3270, 0.2954

## Protanomaly

53.5180, 0.3053, 0.2984

## Deuteranomaly

53.2984, 0.3165, 0.3012

## Tritanomaly

53.1121, 0.3334, 0.3063

# Monochromacy



## Original Color

53.3032, 0.3270, 0.2954

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

54.7913, 0.3174, 0.3160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3032, 0.3270, 0.2954 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(225, 180, 210)` looks like.

```
.text, #text, p{  
    color:rgb(225, 180, 210)  
}
```

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(225, 180, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 180, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3032, 0.3270, 0.2954 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(225, 180, 210) }
```

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

```
.border{ border-color:rgb(225, 180, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 180, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 180, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 180, 210);  
box-shadow:4px 4px 4px 4px rgb(225, 180,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3032, 0.3270, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 180, 210) }
```

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

```
.background{ background-color: rgb(225,  
180, 210) }
```

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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