

# Converting Colors

Yxy(53.6571, 0.3181, 0.2846)

Have a look what the booklet for  
Yxy(53.6571, 0.3181, 0.2846)  
contains.

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# Color

**Yxy(53.6571, 0.3181, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0B4DC
RGB	224, 180, 220
RGB Percent	88%, 71%, 86%
CMY	0.1217, 0.2941, 0.1373
CMYK	0.00, 0.20, 0.02, 0.12
HSL	305°, 41%, 79%
HSV	305°, 20%, 88%
XYZ	59.9730, 53.6571, 74.9050
YIQ	197.7160, 13.3840, 21.7680

# Conversions

## Conversions Part 2

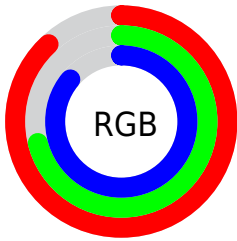
Format	Color
R <sub>Y</sub> B	224, 180, 220
Decimal	14726364
CIE Lab	78.26, 22.55, -14.04
CIE LCh	78, 26.565, 328.107
Yxy	53.6571, 0.3181, 0.2846
Android (android.graphics.Color)	4292916444 (0xFFE0B4DC)
YUV	197.7160, 10.9860, 23.0511
Hunter-Lab	73.2510, 17.9546, -9.3531

# Details

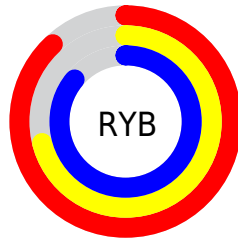
The Yxy color **53.6571, 0.3181, 0.2846** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.4617, 0.3077, 0.3778**, and the grayscale version is **56.2168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **26.2202, 0.3187, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **45.2277, 0.3213, 0.2616**, and if you desaturate by 10%, it is **63.5537, 0.3152, 0.3075**.

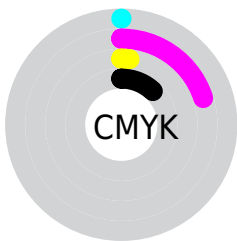
# Distribution



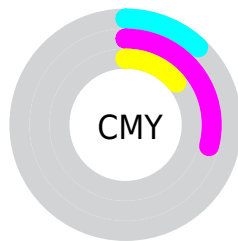
- Red (88%)
- Green (71%)
- Blue (86%)



- Red (88%)
- Yellow (71%)
- Blue (86%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (29%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6571, 0.3181, 0.2846 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 53.6571, 0.3181, 0.2846 by changing the saturation by 10% instead.





 53.6571, 0.3181,  
0.2846

 53.6571, 0.3181,  
0.2846


400.8011, 0.3158,  
0.3055

 38.3276, 0.3186,  
0.2797


 95.5706, 0.3173,  
0.2919

 26.2370, 0.3191,  
0.2737


122.9233, 0.3170,  
0.2947

 17.0011, 0.3198,  
0.2660


155.0527, 0.3168,  
0.2972

 10.2352, 0.3205,  
0.2558

192.3429, 0.3165,  
0.2993

 5.5552, 0.3213,  
0.2418

235.1785, 0.3163,  
0.3011

 2.5766, 0.3221,  
0.2212

283.9437, 0.3161,

 0.9149, 0.3221,

0.3027

0.1886

339.0232, 0.3160,  
0.3042

0.0000, 0.3227,  
0.0000

0.0000, 0.0000,  
0.0000

53.6571, 0.3181,  
0.2846

53.6571, 0.3181,  
0.2846

45.2277, 0.3213,  
0.2616

63.5537, 0.3152,  
0.3075

38.1883, 0.3247,  
0.2393

74.9757, 0.3126,  
0.3298

32.4655, 0.3283,  
0.2187

87.9869, 0.3103,  
0.3510

27.9762, 0.3320,  
0.2006

92.9696, 0.3089,  
0.3567

■ 24.6279, 0.3356,  
0.1861

■ 93.0827, 0.3077,  
0.3546

■ 22.3152, 0.3391,  
0.1757

■ 93.1972, 0.3066,  
0.3524

■ 20.9131, 0.3423,  
0.1698

■ 93.3130, 0.3055,  
0.3503

■ 20.2114, 0.3452,  
0.1677

■ 93.4301, 0.3043,  
0.3482

■ 20.1895, 0.3454,  
0.1676

■ 93.5486, 0.3032,  
0.3461

# Harmonies

## Analogous

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



53.6571, 0.2835, 0.2723



53.6571, 0.3181, 0.2846



53.6571, 0.3530, 0.3071

# Triad

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



53.6571, 0.3181, 0.2846



53.6571, 0.3688, 0.3855



53.6571, 0.2520, 0.3169

# Complementary

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



53.6571, 0.3181, 0.2846



66.4617, 0.3077, 0.3778

# 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.



53.6571, 0.2726, 0.3512



53.6571, 0.3181, 0.2846



53.6571, 0.3396, 0.3925

# Square

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



53.6571, 0.3181, 0.2846



53.6571, 0.3830, 0.3639



53.6571, 0.3044, 0.3801



53.6571, 0.2470, 0.2887



# Rectangle

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



53.6571, 0.3181, 0.2846



53.6571, 0.3710, 0.3257



53.6571, 0.3044, 0.3801



53.6571, 0.2573, 0.3281

# Sweetspot

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



53.6594, 0.3181, 0.2846



90.5349, 0.3142, 0.3156



48.1805, 0.2829, 0.2756



19.1676, 0.3144, 0.3141



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.



53.6594, 0.3181, 0.2846



66.6235, 0.3195, 0.2741



52.5847, 0.3357, 0.3082



13.9132, 0.3152, 0.3080



11.7641, 0.3449, 0.1674



0.8218, 0.3408, 0.1651



# Inverse Universe

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



53.6594, 0.3181, 0.2846



66.6235, 0.3195, 0.2741



67.4411, 0.2943, 0.3508



13.9132, 0.3152, 0.3080



11.7641, 0.3449, 0.1674



0.8218, 0.3408, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 53.6571, 0.3181, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

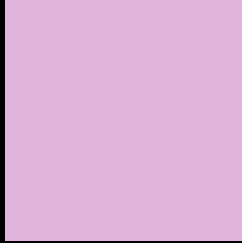
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6571, 0.3181, 0.2846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

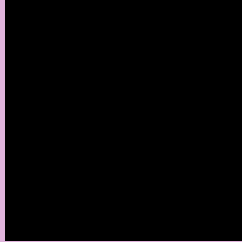
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6571, 0.3181, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6571, 0.3181, 0.2846.



This preview shows how white text looks on a background with the Yxy color 53.6571, 0.3181, 0.2846.

# 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

53.6571, 0.3181, 0.2846

### Protanopia

53.8655, 0.2835, 0.2862

### Deuteranopia

53.8747, 0.3008, 0.2950



## Tritanopia

53.7303, 0.3329, 0.3130

# Trichromacy



**Original Color**

53.6571, 0.3181, 0.2846

**Protanomaly**

53.6820, 0.2950, 0.2859

**Deuteranomaly**

53.7876, 0.3064, 0.2910

**Tritanomaly**

53.8528, 0.3274, 0.3029

# Monochromacy



**Original Color**

53.6571, 0.3181, 0.2846

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

54.9832, 0.3143, 0.3114

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6571, 0.3181, 0.2846 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(224, 180, 220)` looks like.

```
.text, #text, p{  
    color:rgb(224, 180, 220)  
}
```

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(224, 180, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 180, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6571, 0.3181, 0.2846 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(224, 180, 220) }
```

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

```
.border{ border-color:rgb(224, 180, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 180, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 180, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 180, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 180,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6571, 0.3181, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 180, 220) }
```

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

```
.background{ background-color: rgb(224,  
180, 220) }
```

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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