

# Converting Colors

$Yxy(53.6800, 0.3098, 0.2760)$

Have a look what the booklet for  
Yxy(53.6800, 0.3098, 0.2760)  
contains.

<b>Yxy(53.6161, 0.3095, 0.2759)</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(53.6161, 0.3095, 0.2759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB4E4
RGB	221, 180, 228
RGB Percent	87%, 71%, 89%
CMY	0.1333, 0.2941, 0.1059
CMYK	0.03, 0.21, 0.00, 0.11
HSL	291°, 47%, 80%
HSV	291°, 21%, 89%
XYZ	60.1456, 53.6161, 80.5699
YIQ	197.7310, 9.0280, 23.6200

# Conversions

## Conversions Part 2

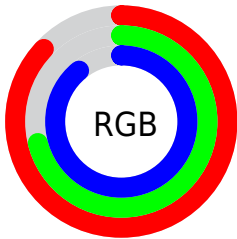
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 180, 228
Decimal	14529764
CIE Lab	78.24, 23.07, -18.42
CIE LCh	78, 29.521, 321.394
Yxy	53.6161, 0.3095, 0.2759
Android (android.graphics.Color)	4292719844 (0xFFDDB4E4)
YUV	197.7310, 14.9226, 20.4069
Hunter-Lab	73.2230, 18.4803, -13.9828

# Details

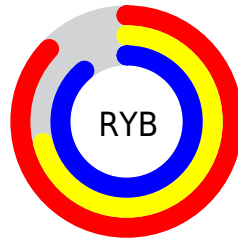
The Yxy color  $53.6161, 0.3095, 0.2759$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $69.3385, 0.3148, 0.3865$ , and the grayscale version is  $56.2057, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4709, 0.3136, 0.3107$ , and  $26.3029, 0.3081, 0.2626$  is the 20% darker color. If you saturate the color by 10%, you get  $44.6428, 0.3074, 0.2499$ , and if you desaturate by 10%, it is  $64.1183, 0.3112, 0.3017$ .

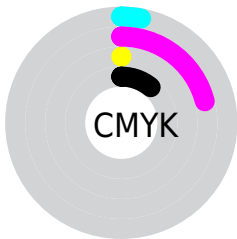
# Distribution



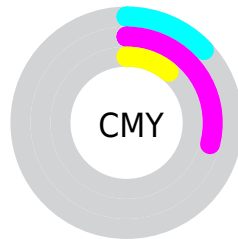
- Red (87%)
- Green (71%)
- Blue (89%)



- Red (87%)
- Yellow (71%)
- Blue (89%)



- Cyan (3%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)




- Cyan (13%)
- Magenta (29%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6161, 0.3095, 0.2759 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 53.6161, 0.3095, 0.2759 by changing the saturation by 10% instead.





 53.6161, 0.3095,  
0.2759

 53.6161, 0.3095,  
0.2759


400.6444, 0.3115,  
0.3007

 38.2948, 0.3089,  
0.2702


 95.5103, 0.3103,  
0.2846

 26.2116, 0.3081,  
0.2631


122.8521, 0.3106,  
0.2879

 16.9820, 0.3070,  
0.2541


154.9695, 0.3108,  
0.2908

 10.2217, 0.3054,  
0.2423

192.2468, 0.3110,  
0.2933

 5.5462, 0.3027,  
0.2261

235.0686, 0.3111,  
0.2955

 2.5711, 0.2982,  
0.2029

283.8192, 0.3113,

 0.9122, 0.2889,

0.2975

0.1671

338.8830, 0.3114,  
0.2992

0.0000, 0.2592,  
0.0000

0.0000, 0.0000,  
0.0000

53.6161, 0.3095,  
0.2759

53.6161, 0.3095,  
0.2759

44.6428, 0.3074,  
0.2499

64.1183, 0.3112,  
0.3017

37.1174, 0.3048,  
0.2244

76.2114, 0.3126,  
0.3265

30.9620, 0.3018,  
0.2004

89.9624, 0.3136,  
0.3499

26.0886, 0.2985,  
0.1790

94.6590, 0.3153,  
0.3563

■ 22.3988, 0.2949,  
0.1612

■ 95.2260, 0.3174,  
0.3561

■ 19.7799, 0.2912,  
0.1477

■ 95.8035, 0.3195,  
0.3559

■ 18.0972, 0.2874,  
0.1387

■ 96.3917, 0.3216,  
0.3558

■ 17.1837, 0.2839,  
0.1338

■ 96.9905, 0.3238,  
0.3556

■ 97.6000, 0.3259,  
0.3554

# Harmonies

## Analogous

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



53.6161, 0.2728, 0.2654



53.6161, 0.3095, 0.2759



53.6161, 0.3493, 0.2985

# Triad

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



53.6161, 0.3095, 0.2759



53.6161, 0.3801, 0.3872



53.6161, 0.2493, 0.3236

# Complementary

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



53.6161, 0.3095, 0.2759



69.3385, 0.3148, 0.3865

# 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.



53.6161, 0.2751, 0.3620



53.6161, 0.3095, 0.2759



53.6161, 0.3506, 0.3998

# Square

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



53.6161, 0.3095, 0.2759



53.6161, 0.3915, 0.3606



53.6161, 0.3120, 0.3912



53.6161, 0.2398, 0.2900



# Rectangle

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



53.6161, 0.3095, 0.2759



53.6161, 0.3716, 0.3180



53.6161, 0.3120, 0.3912



53.6161, 0.2562, 0.3365

# Sweetspot

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



53.6184, 0.3095, 0.2759



90.2044, 0.3120, 0.3142



50.9296, 0.2780, 0.2796



19.0891, 0.3119, 0.3126



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.



53.6184, 0.3095, 0.2759



64.1357, 0.3087, 0.2652



53.8482, 0.3285, 0.2944



14.5035, 0.3115, 0.3057



9.9638, 0.2845, 0.1341



0.7654, 0.2902, 0.1372



# Inverse Universe

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



52.7221, 0.3489, 0.3212



62.8250, 0.3581, 0.3195



69.2068, 0.2997, 0.3664



14.4019, 0.3270, 0.3256



9.5986, 0.6199, 0.3189

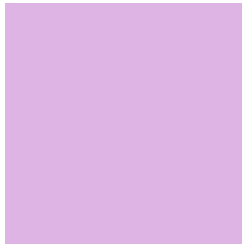


0.7201, 0.5849, 0.2996



# Previews

## White Background



This preview shows how the Yxy color 53.6161, 0.3095, 0.2759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

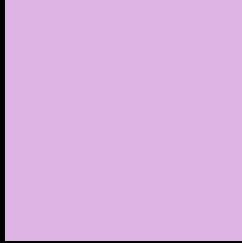
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6161, 0.3095, 0.2759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

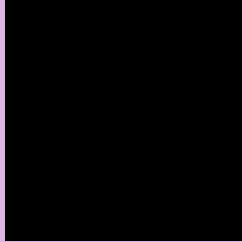
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.6161, 0.3095, 0.2759**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6161, 0.3095, 0.2759.



This preview shows how white text looks on a background with the Yxy color 53.6161, 0.3095, 0.2759.

# 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

53.6161, 0.3095, 0.2759

### Protanopia

53.9457, 0.2762, 0.2772

### Deuteranopia

53.7565, 0.2921, 0.2857



## Tritanopia

53.6198, 0.3278, 0.3117

# Trichromacy



## Original Color

53.6161, 0.3095, 0.2759

## Protanomaly

53.7199, 0.2873, 0.2770

## Deuteranomaly

53.7857, 0.2982, 0.2820

## Tritanomaly

53.4255, 0.3208, 0.2982

# Monochromacy



## Original Color

53.6161, 0.3095, 0.2759

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

54.9869, 0.3113, 0.3079

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6161, 0.3095, 0.2759 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(221, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 228)  
}
```

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(221, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6161, 0.3095, 0.2759 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(221, 180, 228) }
```

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

```
.border{ border-color:rgb(221, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 180, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 180, 228); box-shadow:4px 4px 4px 4px rgb(221, 180, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6161, 0.3095, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 228) }
```

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

```
.background{ background-color: rgb(221,  
180, 228) }
```

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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