

# Converting Colors

Yxy(60.2894, 0.2951, 0.2702)

Have a look what the booklet for  
Yxy(60.2894, 0.2951, 0.2702)  
contains.

<b>Yxy(60.2894, 0.2951, 0.2702)</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(60.2894, 0.2951, 0.2702)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDC1F8
RGB	221, 193, 248
RGB Percent	87%, 76%, 97%
CMY	0.1331, 0.2432, 0.0273
CMYK	0.11, 0.22, 0.00, 0.03
HSL	271°, 80%, 86%
HSV	271°, 22%, 97%
XYZ	65.8453, 60.2894, 96.9941
YIQ	207.6420, -0.9670, 23.0410

# Conversions

## Conversions Part 2

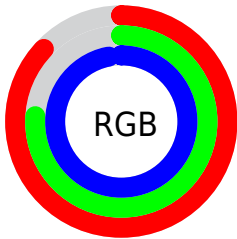
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 193, 248
Decimal	14533112
CIE Lab	82.00, 20.02, -23.48
CIE LCh	82, 30.860, 310.457
Yxy	60.2894, 0.2951, 0.2702
Android (android.graphics.Color)	4292723192 (0xFFDDC1F8)
YUV	207.6420, 19.8965, 11.7150
Hunter-Lab	77.6462, 15.4900, -19.7115

# Details

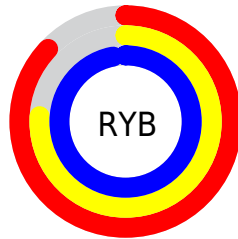
The Yxy color **60.2894, 0.2951, 0.2702** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.2108, 0.3272, 0.3880**, and the grayscale version is **62.7070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **30.3338, 0.2911, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **48.3909, 0.2851, 0.2410**, and if you desaturate by 10%, it is **74.1699, 0.3038, 0.2979**.

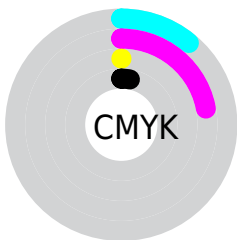
# Distribution



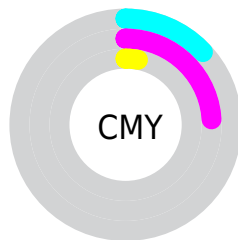
- Red (87%)
- Green (76%)
- Blue (97%)



- Red (87%)
- Yellow (76%)
- Blue (97%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (3%)




- Cyan (13%)
- Magenta (24%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2894, 0.2951, 0.2702 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 60.2894, 0.2951, 0.2702 by changing the saturation by 10% instead.




 60.2894, 0.2951,  
0.2702

 60.2894, 0.2951,  
0.2702


425.6637, 0.3039,  
0.2971

 43.6519, 0.2930,  
0.2641


 105.2494, 0.2982,  
0.2795

 30.3970, 0.2903,  
0.2567


134.3407, 0.2994,  
0.2831

 20.1401, 0.2867,  
0.2474


168.3520, 0.3005,  
0.2862

 12.4969, 0.2819,  
0.2354

207.6678, 0.3013,  
0.2890

 7.0831, 0.2752,  
0.2194

252.6725, 0.3021,  
0.2914

 3.5141, 0.2648,  
0.1971

303.7505, 0.3027,

 1.4057, 0.2477,

0.2935

0.1644

361.2860, 0.3033,  
0.2954

0.2209, 0.2237,  
0.0707

0.0000, 0.0000,  
0.0000

60.2894, 0.2951,  
0.2702

60.2894, 0.2951,  
0.2702

48.3909, 0.2851,  
0.2410

74.1699, 0.3038,  
0.2979

38.3723, 0.2739,  
0.2111

90.1130, 0.3112,  
0.3237

30.1337, 0.2616,  
0.1816

99.5590, 0.3167,  
0.3357

23.5623, 0.2486,  
0.1540

■ 18.5321, 0.2355,  
0.1298

■ 14.8984, 0.2227,  
0.1103

■ 12.4868, 0.2109,  
0.0963

■ 11.2490, 0.2025,  
0.0889

# Harmonies

## Analogous

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



60.2894, 0.2619, 0.2648



60.2894, 0.2951, 0.2702



60.2894, 0.3353, 0.2889

# Triad

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



60.2894, 0.2951, 0.2702



60.2894, 0.3871, 0.3788



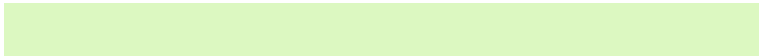
60.2894, 0.2567, 0.3378

# Complementary

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



60.2894, 0.2951, 0.2702



86.2108, 0.3272, 0.3880

# 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.



60.2894, 0.2876, 0.3747



60.2894, 0.2951, 0.2702



60.2894, 0.3632, 0.3977

# Square

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



60.2894, 0.2951, 0.2702



60.2894, 0.3904, 0.3492



60.2894, 0.3265, 0.3974



60.2894, 0.2408, 0.3008



# Rectangle

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



60.2894, 0.2951, 0.2702



60.2894, 0.3604, 0.3069



60.2894, 0.3265, 0.3974



60.2894, 0.2656, 0.3508

# Sweetspot

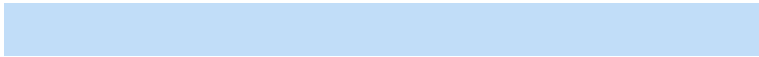
The Sweet Spot groups the original color and five complimentary colors.



60.2919, 0.2951, 0.2702



87.5134, 0.3078, 0.3115



69.5668, 0.2774, 0.2985



18.5122, 0.3074, 0.3100



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.



60.2919, 0.2951, 0.2702



57.8128, 0.2904, 0.2562



64.8737, 0.3153, 0.2737



17.0780, 0.3059, 0.3051



6.1590, 0.2041, 0.0898



0.6335, 0.2169, 0.0968



# Inverse Universe

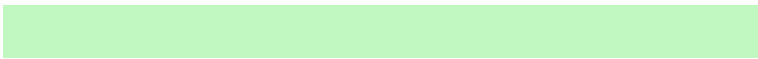
The Inverse Universe completely reimagines the original color for something new.



63.2602, 0.3365, 0.3011



61.6030, 0.3431, 0.2946



82.3362, 0.3098, 0.3913



17.3671, 0.3217, 0.3174



11.5619, 0.5004, 0.2530



1.0922, 0.4732, 0.2381



# Previews

## White Background



This preview shows how the Yxy color 60.2894, 0.2951, 0.2702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

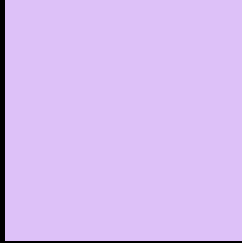
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2894, 0.2951, 0.2702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

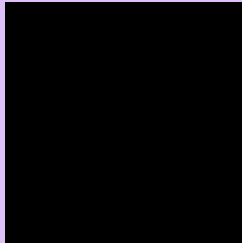
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2894, 0.2951, 0.2702**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2894, 0.2951, 0.2702.



This preview shows how white text looks on a background with the Yxy color 60.2894, 0.2951, 0.2702.

# 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

60.2894, 0.2951, 0.2702

### Protanopia

60.4732, 0.2710, 0.2709

### Deuteranopia

60.7205, 0.2831, 0.2770



## Tritanopia

60.3521, 0.3143, 0.3110

# Trichromacy



## Original Color

60.2894, 0.2951, 0.2702

## Protanomaly

60.4317, 0.2793, 0.2707

## Deuteranomaly

60.3495, 0.2879, 0.2743

## Tritanomaly

60.3840, 0.3073, 0.2958

# Monochromacy



## Original Color

60.2894, 0.2951, 0.2702

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.1857, 0.3062, 0.3066

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2894, 0.2951, 0.2702 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, 193, 248)` looks like.

```
.text, #text, p{  
    color:rgb(221, 193, 248)  
}
```

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, 193, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 193, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2894, 0.2951, 0.2702 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, 193, 248) }
```

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

```
.border{ border-color:rgb(221, 193, 248) }
```

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

Here you see how a box with a 4 pixel rgb(221, 193, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 193, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 193, 248);  
box-shadow:4px 4px 4px 4px rgb(221, 193,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2894, 0.2951, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 193, 248) }
```

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

```
.background{ background-color: rgb(221,  
193, 248) }
```

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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