

# Converting Colors

$Yxy(62.1156, 0.3017, 0.2978)$

Have a look what the booklet for  
Yxy(62.1156, 0.3017, 0.2978)  
contains.

<b>Yxy(62.1004, 0.3014, 0.2979)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.1004, 0.3014, 0.2979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5CAE6
RGB	213, 202, 230
RGB Percent	84%, 79%, 90%
CMY	0.1649, 0.2077, 0.0981
CMYK	0.07, 0.12, 0.00, 0.10
HSL	263°, 36%, 85%
HSV	263°, 12%, 90%
XYZ	62.8300, 62.1004, 83.5301
YIQ	208.4810, -2.4320, 11.0400

# Conversions

## Conversions Part 2

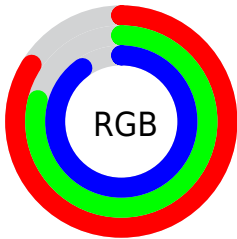
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 202, 230
Decimal	14011110
CIE <sub>Lab</sub>	82.97, 8.98, -12.45
CIE <sub>LCh</sub>	83, 15.353, 305.784
Yxy	62.1004, 0.3014, 0.2979
Android (android.graphics.Color)	4292201190 (0xFFD5CAE6)
YUV	208.4810, 10.6089, 3.9632
Hunter-Lab	78.8038, 4.4108, -7.6833

# Details

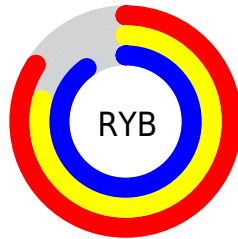
The Yxy color **62.1004, 0.3014, 0.2979** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.9254, 0.3231, 0.3597**, and the grayscale version is **63.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.5049, 0.2986, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **50.0947, 0.2904, 0.2697**, and if you desaturate by 10%, it is **75.9011, 0.3109, 0.3237**.

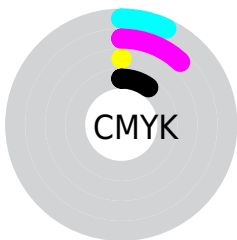
# Distribution



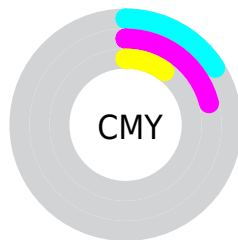
- Red (84%)
- Green (79%)
- Blue (90%)



- Red (84%)
- Yellow (79%)
- Blue (90%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (21%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1004, 0.3014, 0.2979 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 62.1004, 0.3014, 0.2979 by changing the saturation by 10% instead.



■ 62.1004, 0.3014,  
0.2979

■ 62.1004, 0.3014,  
0.2979

432.2972, 0.3069,  
0.3124

■ 45.1138, 0.3001,  
0.2946

107.8706, 0.3033,  
0.3030

■ 31.5471, 0.2984,  
0.2904

137.4231, 0.3041,  
0.3049

■ 21.0158, 0.2963,  
0.2851

171.9329, 0.3047,  
0.3066

■ 13.1356, 0.2934,  
0.2782

211.7846, 0.3053,  
0.3081

■ 7.5220, 0.2893,  
0.2687

257.3625, 0.3058,  
0.3094

■ 3.7906, 0.2831,  
0.2548

309.0509, 0.3062,

■ 1.5571, 0.2726,

0.3105

0.2329

367.2344, 0.3065,  
0.3115

0.3284, 0.2515,  
0.1554

0.0000, 0.0000,  
0.0000

62.1004, 0.3014,  
0.2979

62.1004, 0.3014,  
0.2979

50.0947, 0.2904,  
0.2697

75.9011, 0.3109,  
0.3237

39.8006, 0.2780,  
0.2397

91.5597, 0.3189,  
0.3471

31.1398, 0.2641,  
0.2085

98.4926, 0.3274,  
0.3532

24.0247, 0.2490,  
0.1773

■ 18.3591, 0.2334,  
0.1478

■ 14.0357, 0.2178,  
0.1216

■ 10.9318, 0.2032,  
0.1004

■ 8.9001, 0.1903,  
0.0854

■ 7.8754, 0.1816,  
0.0774

# Harmonies

## Analogous

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



62.1004, 0.2852, 0.2968



62.1004, 0.3014, 0.2979



62.1004, 0.3211, 0.3066

# Triad

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



62.1004, 0.3014, 0.2979



62.1004, 0.3503, 0.3527



62.1004, 0.2868, 0.3366

# Complementary

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



62.1004, 0.3014, 0.2979



75.9254, 0.3231, 0.3597

# 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.



62.1004, 0.3036, 0.3530



62.1004, 0.3014, 0.2979



62.1004, 0.3404, 0.3621

# Square

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



62.1004, 0.3014, 0.2979



62.1004, 0.3498, 0.3376



62.1004, 0.3232, 0.3624



62.1004, 0.2770, 0.3185



# Rectangle

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



62.1004, 0.3014, 0.2979



62.1004, 0.3336, 0.3157



62.1004, 0.3232, 0.3624



62.1004, 0.2918, 0.3426

# Sweetspot

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



62.1030, 0.3014, 0.2979



92.5035, 0.3092, 0.3191



69.0771, 0.2939, 0.3170



19.5069, 0.3085, 0.3172



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.



62.1030, 0.3014, 0.2979



73.8195, 0.2984, 0.2899



64.2522, 0.3117, 0.2989



14.1601, 0.3041, 0.3051



4.5248, 0.1832, 0.0783



0.3868, 0.1995, 0.0873



# Inverse Universe

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



64.1927, 0.3220, 0.3106



77.0522, 0.3245, 0.3060



73.8740, 0.3135, 0.3606



14.5149, 0.3197, 0.3148



10.6245, 0.4497, 0.2251

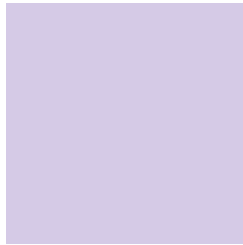


0.8032, 0.4258, 0.2120



# Previews

## White Background



This preview shows how the Yxy color 62.1004, 0.3014, 0.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

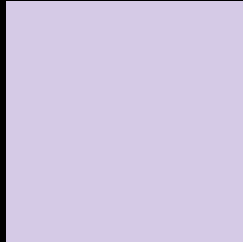
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1004, 0.3014, 0.2979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

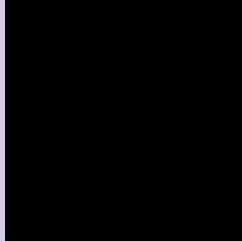
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1004, 0.3014, 0.2979**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1004, 0.3014, 0.2979.



This preview shows how white text looks on a background with the Yxy color 62.1004, 0.3014, 0.2979.

# 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

62.1004, 0.3014, 0.2979

### Protanopia

62.1853, 0.2929, 0.2985

### Deuteranopia

62.0854, 0.3037, 0.2970



## Tritanopia

62.2019, 0.3068, 0.3109

# Trichromacy



## Original Color

62.1004, 0.3014, 0.2979

## Protanomaly

62.2207, 0.2964, 0.2987

## Deuteranomaly

61.9335, 0.3029, 0.2969

## Tritanomaly

62.0907, 0.3048, 0.3054

# Monochromacy



## Original Color

62.1004, 0.3014, 0.2979

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.8021, 0.3087, 0.3176

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1004, 0.3014, 0.2979 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(213, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(213, 202, 230)  
}
```

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(213, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 202, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1004, 0.3014, 0.2979 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(213, 202, 230) }
```

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

```
.border{ border-color:rgb(213, 202, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(213, 202,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1004, 0.3014, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 202, 230) }
```

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

```
.background{ background-color: rgb(213,  
202, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor