

# Converting Colors

$Y_{xy}(62.4515, 0.3035, 0.3020)$

Have a look what the booklet for  
Yxy(62.4515, 0.3035, 0.3020)  
contains.

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# Color

**Yxy(62.4041, 0.3035, 0.3022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5CBE3
RGB	213, 203, 227
RGB Percent	84%, 80%, 89%
CMY	0.1645, 0.2040, 0.1098
CMYK	0.06, 0.11, 0.00, 0.11
HSL	265°, 30%, 84%
HSV	265°, 11%, 89%
XYZ	62.6725, 62.4041, 81.4227
YIQ	208.7260, -1.7440, 9.5840

# Conversions

## Conversions Part 2

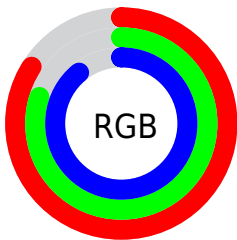
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 203, 227
Decimal	14011363
CIE Lab	83.13, 7.92, -10.62
CIE LCh	83, 13.251, 306.700
Yxy	62.4041, 0.3035, 0.3022
Android (android.graphics.Color)	4292201443 (0xFFD5CBE3)
YUV	208.7260, 9.0091, 3.7483
Hunter-Lab	78.9963, 3.3715, -5.8137

# Details

The Yxy color **62.4041, 0.3035, 0.3022** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0007, 0.3212, 0.3556**, and the grayscale version is **63.5192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.7426, 0.3004, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **50.5645, 0.2933, 0.2745**, and if you desaturate by 10%, it is **75.9795, 0.3122, 0.3276**.

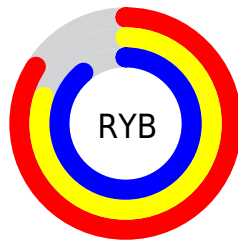
# Distribution



Red (84%)

Green (80%)

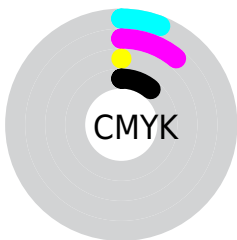
Blue (89%)



Red (84%)

Yellow (80%)

Blue (89%)

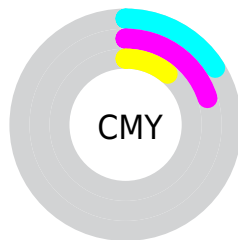


Cyan (6%)

Magenta (11%)

Yellow (0%)

Black (11%)



Cyan (16%)

Magenta (20%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4041, 0.3035, 0.3022 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 62.4041, 0.3035, 0.3022 by changing the saturation by 10% instead.



■ 62.4041, 0.3035,  
0.3022

■ 62.4041, 0.3035,  
0.3022

433.4036, 0.3080,  
0.3147

■ 45.3593, 0.3024,  
0.2993

108.3094, 0.3051,  
0.3066

■ 31.7405, 0.3011,  
0.2957

137.9386, 0.3057,  
0.3083

■ 21.1634, 0.2994,  
0.2911

172.5315, 0.3062,  
0.3097

■ 13.2435, 0.2970,  
0.2851

212.4723, 0.3067,  
0.3110

■ 7.5964, 0.2937,  
0.2768

258.1455, 0.3070,  
0.3121

■ 3.8378, 0.2886,  
0.2646

309.9356, 0.3074,

■ 1.5833, 0.2800,

0.3131

0.2452

368.2268, 0.3077,  
0.3140

0.3463, 0.2616,  
0.1734

0.0000, 0.0000,  
0.0000

62.4041, 0.3035,  
0.3022

62.4041, 0.3035,  
0.3022

50.5645, 0.2933,  
0.2745

75.9795, 0.3122,  
0.3276

40.3809, 0.2817,  
0.2450

91.3502, 0.3197,  
0.3506

31.7792, 0.2686,  
0.2142

97.8814, 0.3276,  
0.3563

24.6762, 0.2544,  
0.1834

98.3267, 0.3292,  
0.3562

■ 18.9810, 0.2395,  
0.1539

■ 14.5925, 0.2244,  
0.1275

■ 11.3952, 0.2099,  
0.1058

■ 9.2522, 0.1969,  
0.0899

■ 7.9819, 0.1863,  
0.0800

# Harmonies

## Analogous

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



62.4041, 0.2893, 0.3011



62.4041, 0.3035, 0.3022



62.4041, 0.3205, 0.3100

# Triad

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



62.4041, 0.3035, 0.3022



62.4041, 0.3449, 0.3499



62.4041, 0.2900, 0.3351

# Complementary

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



62.4041, 0.3035, 0.3022



74.0007, 0.3212, 0.3556

# 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.



62.4041, 0.3044, 0.3493



62.4041, 0.3035, 0.3022



62.4041, 0.3362, 0.3576

# Square

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



62.4041, 0.3035, 0.3022



62.4041, 0.3448, 0.3370



62.4041, 0.3213, 0.3576



62.4041, 0.2817, 0.3196



# Rectangle

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



62.4041, 0.3035, 0.3022



62.4041, 0.3312, 0.3180



62.4041, 0.3213, 0.3576



62.4041, 0.2943, 0.3402

# Sweetspot

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



62.4068, 0.3035, 0.3022



94.3821, 0.3102, 0.3216



67.8688, 0.2963, 0.3177



19.8880, 0.3096, 0.3196



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.



62.4068, 0.3035, 0.3022



77.1694, 0.3011, 0.2955



64.2628, 0.3124, 0.3029



14.1805, 0.3046, 0.3052



4.7196, 0.1878, 0.0808



0.4023, 0.2042, 0.0898



# Inverse Universe

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



64.0471, 0.3212, 0.3138



79.7810, 0.3234, 0.3100



72.2339, 0.3128, 0.3563



14.5078, 0.3202, 0.3154



10.5190, 0.4613, 0.2315

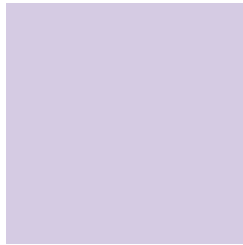


0.7958, 0.4352, 0.2171



# Previews

## White Background



This preview shows how the Yxy color 62.4041, 0.3035, 0.3022 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 62.4041, 0.3035, 0.3022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

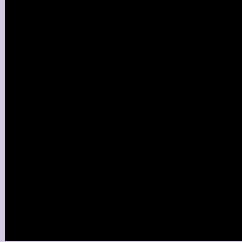
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

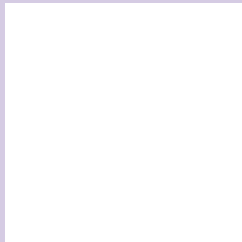
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.4041, 0.3035, 0.3022**

## Background



This preview shows how black text looks on a background with the Yxy color 62.4041, 0.3035, 0.3022.



This preview shows how white text looks on a background with the Yxy color 62.4041, 0.3035, 0.3022.

# 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

62.4041, 0.3035, 0.3022

### Protanopia

62.6371, 0.2956, 0.3030

### Deuteranopia

62.2248, 0.3072, 0.3003



## Tritanopia

62.3501, 0.3075, 0.3110

# Trichromacy



## Original Color

62.4041, 0.3035, 0.3022

## Protanomaly

62.5295, 0.2984, 0.3031

## Deuteranomaly

62.3860, 0.3057, 0.3013

## Tritanomaly

62.5105, 0.3055, 0.3077

# Monochromacy



## Original Color

62.4041, 0.3035, 0.3022

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.2852, 0.3087, 0.3188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4041, 0.3035, 0.3022 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, 203, 227)` looks like.

```
.text, #text, p{  
    color:rgb(213, 203, 227)  
}
```

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, 203, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 203, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4041, 0.3035, 0.3022 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, 203, 227) }
```

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

```
.border{ border-color:rgb(213, 203, 227) }
```

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

Here you see how a box with a 4 pixel rgb(213, 203, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 203, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 203, 227);  
box-shadow:4px 4px 4px 4px rgb(213, 203,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4041, 0.3035, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 203, 227) }
```

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

```
.background{ background-color: rgb(213,  
203, 227) }
```

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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