

Converting Colors

$Yxy(62.5641, 0.3027, 0.2983)$

Have a look what the booklet for
Yxy(62.5641, 0.3027, 0.2983)
contains.

Yxy(62.4013, 0.3029, 0.2980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.4013, 0.3029, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	D7CAE6
RGB	215, 202, 230
RGB Percent	84%, 79%, 90%
CMY	0.1569, 0.2078, 0.0980
CMYK	0.07, 0.12, 0.00, 0.10
HSL	268°, 36%, 85%
HSV	268°, 12%, 90%
XYZ	63.4274, 62.4013, 83.5717
YIQ	209.0790, -1.2400, 11.4640

Conversions

Conversions Part 2

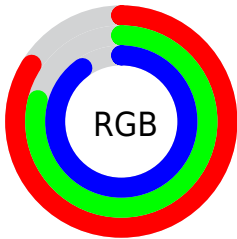
Format	Color
R _Y B	215, 202, 230
Decimal	14142182
CIE Lab	83.13, 9.67, -12.21
CIE LCh	83, 15.572, 308.365
Yxy	62.4013, 0.3029, 0.2980
Android (android.graphics.Color)	4292332262 (0xFFD7CAE6)
YUV	209.0790, 10.3141, 5.1927
Hunter-Lab	78.9945, 5.0833, -7.4293

Details

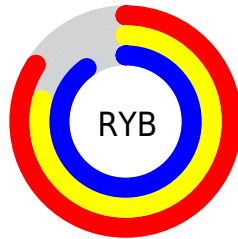
The Yxy color **62.4013, 0.3029, 0.2980** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.6194, 0.3216, 0.3599**, and the grayscale version is **63.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.7094, 0.3006, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **50.6050, 0.2934, 0.2702**, and if you desaturate by 10%, it is **75.9523, 0.3111, 0.3237**.

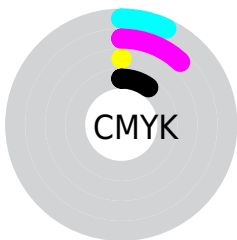
Distribution



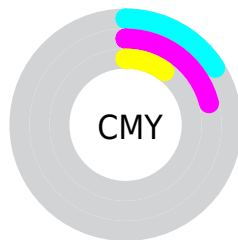
- Red (84%)
- Green (79%)
- Blue (90%)



- 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 62.4013, 0.3029, 0.2980 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 62.4013, 0.3029, 0.2980 by changing the saturation by 10% instead.

■ 62.4013, 0.3029,
0.2980

■ 62.4013, 0.3029,
0.2980

433.3934, 0.3077,
0.3125

■ 45.3570, 0.3018,
0.2947

108.3053, 0.3046,
0.3030

■ 31.7387, 0.3003,
0.2906

137.9338, 0.3052,
0.3050

■ 21.1620, 0.2984,
0.2853

172.5259, 0.3058,
0.3067

■ 13.2425, 0.2959,
0.2784

212.4660, 0.3063,
0.3081

■ 7.5957, 0.2923,
0.2690

258.1383, 0.3067,
0.3094

■ 3.8374, 0.2868,
0.2553

309.9274, 0.3071,

■ 1.5830, 0.2775,

0.3105

0.2337

368.2177, 0.3074,
0.3116

■ 0.3461, 0.2607,
0.1597

■ 0.0000, 0.0000,
0.0000

■ 62.4013, 0.3029,
0.2980

■ 62.4013, 0.3029,
0.2980

■ 50.6050, 0.2934,
0.2702

■ 75.9523, 0.3111,
0.3237

■ 40.4815, 0.2824,
0.2407

■ 91.3196, 0.3181,
0.3471

■ 31.9541, 0.2702,
0.2104

■ 97.9281, 0.3254,
0.3534

■ 24.9366, 0.2569,
0.1804

■ 98.4938, 0.3274,
0.3532

■ 19.3347, 0.2429,
0.1520

■ 15.0429, 0.2287,
0.1270

■ 11.9404, 0.2151,
0.1067

■ 9.8820, 0.2027,
0.0921

■ 8.8198, 0.1941,
0.0843

Harmonies

Analogous

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



62.4013, 0.2860, 0.2962



62.4013, 0.3029, 0.2980



62.4013, 0.3229, 0.3074

Triad

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



62.4013, 0.3029, 0.2980



62.4013, 0.3503, 0.3541



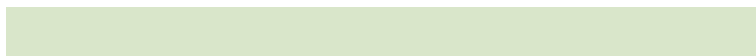
62.4013, 0.2853, 0.3351

Complementary

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



62.4013, 0.3029, 0.2980



75.6194, 0.3216, 0.3599

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.



62.4013, 0.3018, 0.3521



62.4013, 0.3029, 0.2980



62.4013, 0.3395, 0.3629

Square

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



62.4013, 0.3029, 0.2980



62.4013, 0.3508, 0.3391



62.4013, 0.3216, 0.3624



62.4013, 0.2761, 0.3169

Rectangle

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



62.4013, 0.3029, 0.2980



62.4013, 0.3353, 0.3169



62.4013, 0.3216, 0.3624



62.4013, 0.2901, 0.3412

Sweetspot

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



62.4040, 0.3029, 0.2980



92.6413, 0.3097, 0.3191



68.1078, 0.2938, 0.3148



19.5417, 0.3091, 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.



62.4040, 0.3029, 0.2980



74.2925, 0.3003, 0.2901



64.5517, 0.3131, 0.2990



14.2131, 0.3053, 0.3052



5.0639, 0.1957, 0.0852



0.4290, 0.2119, 0.0941

Inverse Universe

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



64.0796, 0.3235, 0.3127



76.8865, 0.3265, 0.3087



73.6179, 0.3122, 0.3608



14.4966, 0.3209, 0.3165



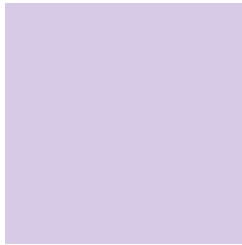
10.3634, 0.4801, 0.2419



0.7845, 0.4505, 0.2255

Previews

White Background



This preview shows how the Yxy color 62.4013, 0.3029, 0.2980 looks on a white background.

Color Contrast Check

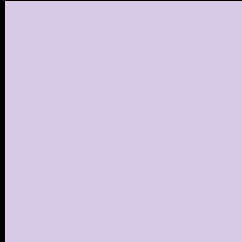
Large Text (above 18pt) WCAG AA × Fail

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 62.4013, 0.3029, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

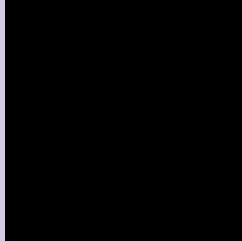
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

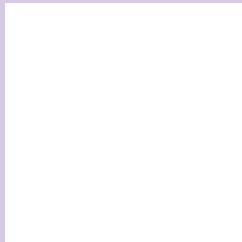
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.4013, 0.3029, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 62.4013, 0.3029, 0.2980.



This preview shows how white text looks on a background with the Yxy color 62.4013, 0.3029, 0.2980.

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

62.4013, 0.3029, 0.2980

Protanopia

62.6653, 0.2929, 0.2996

Deuteranopia

62.0854, 0.3037, 0.2970



Tritanopia

62.4992, 0.3083, 0.3110

Trichromacy



Original Color

62.4013, 0.3029, 0.2980

Protanomaly

62.6976, 0.2964, 0.2998

Deuteranomaly

62.0854, 0.3037, 0.2970

Tritanomaly

62.3898, 0.3063, 0.3055

Monochromacy



Original Color

62.4013, 0.3029, 0.2980

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.0013, 0.3088, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4013, 0.3029, 0.2980 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(215, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 202, 230) }
```

Border

The CSS property to change the border of an element to Yxy 62.4013, 0.3029, 0.2980 is called "border". The border property can be set on classes, ids or directly on the HTML element.

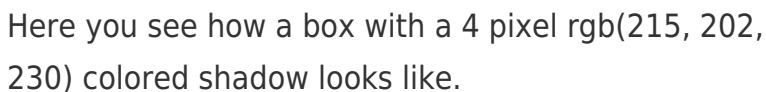
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 202, 230) }
```

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

```
.border{ border-color:rgb(215, 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(215, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 202, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 202, 230); box-shadow:4px 4px 4px 4px rgb(215, 202, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4013, 0.3029, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 202, 230) }
```

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

```
.background{ background-color: rgb(215,  
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