

Converting Colors

$Y_{xy}(50.7402, 0.3063, 0.2901)$

Have a look what the booklet for
Yxy(50.7402, 0.3063, 0.2901)
contains.

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Color

Yxy(50.7402, 0.3063, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	CCB5D6
RGB	204, 181, 214
RGB Percent	80%, 71%, 84%
CMY	0.1998, 0.2902, 0.1608
CMYK	0.05, 0.15, 0.00, 0.16
HSL	282°, 29%, 77%
HSV	282°, 15%, 84%
XYZ	53.5737, 50.7402, 70.5920
YIQ	191.6390, 3.1150, 15.1390

Conversions

Conversions Part 2

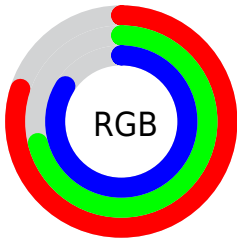
Format	Color
R_{YB}	204, 181, 214
Decimal	13415894
CIE _{Lab}	76.52, 14.22, -13.58
CIE _{LCh}	77, 19.665, 316.328
Yxy	50.7402, 0.3063, 0.2901
Android (android.graphics.Color)	4291605974 (0xFFCCB5D6)
YUV	191.6390, 11.0240, 10.8406
Hunter-Lab	71.2322, 9.5935, -8.8947

Details

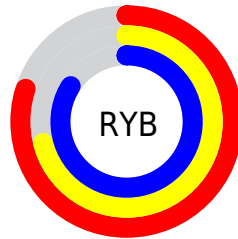
The Yxy color $50.7402, 0.3063, 0.2901$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $62.5011, 0.3181, 0.3692$, and the grayscale version is $52.4284, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.0484, 0.3135, 0.3117$, and $24.4256, 0.3049, 0.2804$ is the 20% darker color. If you saturate the color by 10%, you get $41.8049, 0.3011, 0.2633$, and if you desaturate by 10%, it is $61.0543, 0.3107, 0.3157$.

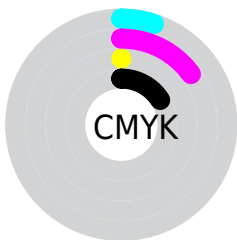
Distribution



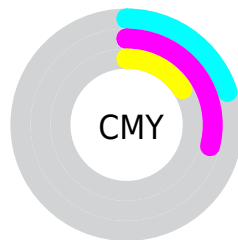
- Red (80%)
- Green (71%)
- Blue (84%)



- Red (80%)
- Yellow (71%)
- Blue (84%)



- Cyan (5%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (20%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7402, 0.3063, 0.2901 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 50.7402, 0.3063, 0.2901 by changing the saturation by 10% instead.

■ 50.7402, 0.3063,
0.2901

■ 50.7402, 0.3063,
0.2901

389.5536, 0.3097,
0.3087

■ 36.0019, 0.3054,
0.2857

■ 91.2706, 0.3075,
0.2967

■ 24.4357, 0.3043,
0.2801

117.8315, 0.3080,
0.2992

■ 15.6571, 0.3027,
0.2730

149.1021, 0.3084,
0.3014

■ 9.2818, 0.3005,
0.2634

185.4667, 0.3087,
0.3033

■ 4.9255, 0.2972,
0.2499

227.3098, 0.3090,
0.3049

■ 2.2036, 0.2915,
0.2295

275.0157, 0.3093,

■ 0.7220, 0.2811,

0.3063

0.1936

328.9688, 0.3095,
0.3076

0.0000, 0.0000,
0.0000

50.7402, 0.3063,
0.2901

50.7402, 0.3063,
0.2901

41.8049, 0.3011,
0.2633

61.0543, 0.3107,
0.3157

34.1807, 0.2952,
0.2359

72.7981, 0.3143,
0.3398

27.8038, 0.2884,
0.2088

86.0278, 0.3172,
0.3619

22.6023, 0.2809,
0.1831

93.1756, 0.3206,
0.3712

18.4970, 0.2730,
0.1600

94.2623, 0.3248,
0.3706

■ 15.3986, 0.2648,
0.1407

■ 95.3889, 0.3289,
0.3701

■ 13.2033, 0.2566,
0.1259

■ 96.5559, 0.3332,
0.3696

■ 11.7842, 0.2487,
0.1160

■ 97.6354, 0.3370,
0.3691

■ 11.2897, 0.2452,
0.1124

Harmonies

Analogous

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



50.7402, 0.2819, 0.2846



50.7402, 0.3063, 0.2901



50.7402, 0.3334, 0.3048

Triad

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



50.7402, 0.3063, 0.2901



50.7402, 0.3609, 0.3668



50.7402, 0.2714, 0.3303

Complementary

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



50.7402, 0.3063, 0.2901



62.5011, 0.3181, 0.3692

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.



50.7402, 0.2912, 0.3550



50.7402, 0.3063, 0.2901



50.7402, 0.3429, 0.3763

Square

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



50.7402, 0.3063, 0.2901



50.7402, 0.3657, 0.3480



50.7402, 0.3173, 0.3723



50.7402, 0.2625, 0.3064

Rectangle

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



50.7402, 0.3063, 0.2901



50.7402, 0.3492, 0.3182



50.7402, 0.3173, 0.3723



50.7402, 0.2770, 0.3388

Sweetspot

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



50.7424, 0.3063, 0.2901



91.4113, 0.3108, 0.3167



52.1329, 0.2884, 0.3012



19.3168, 0.3105, 0.3149



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.



50.7424, 0.3063, 0.2901



70.2216, 0.3045, 0.2801



51.8914, 0.3193, 0.2978



12.4360, 0.3090, 0.3057



6.8800, 0.2463, 0.1130



0.4572, 0.2596, 0.1204

Inverse Universe

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



51.0988, 0.3332, 0.3173



70.8969, 0.3392, 0.3143



61.5082, 0.3068, 0.3624



12.4818, 0.3244, 0.3220



8.8847, 0.5743, 0.2937



0.5504, 0.5245, 0.2663

Previews

White Background



This preview shows how the Yxy color 50.7402, 0.3063, 0.2901 looks on a white background.

Color Contrast Check

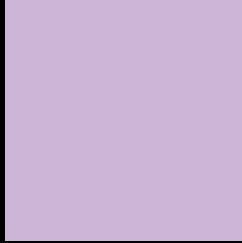
Large Text (above 18pt) WCAG AA × Fail

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 50.7402, 0.3063, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

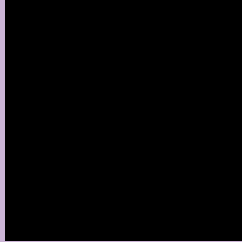
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7402, 0.3063, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 50.7402, 0.3063, 0.2901.



This preview shows how white text looks on a background with the Yxy color 50.7402, 0.3063, 0.2901.

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

50.7402, 0.3063, 0.2901

Protanopia

50.6699, 0.2869, 0.2910

Deuteranopia

50.8208, 0.3005, 0.2942



Tritanopia

50.9148, 0.3169, 0.3121

Trichromacy



Original Color

50.7402, 0.3063, 0.2901

Protanomaly

50.7840, 0.2937, 0.2904

Deuteranomaly

50.8132, 0.3029, 0.2932

Tritanomaly

50.9231, 0.3131, 0.3039

Monochromacy



Original Color

50.7402, 0.3063, 0.2901

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.8723, 0.3101, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7402, 0.3063, 0.2901 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(204, 181, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 214)  
}
```

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(204, 181, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 214) }
```

Border

The CSS property to change the border of an element to Yxy 50.7402, 0.3063, 0.2901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

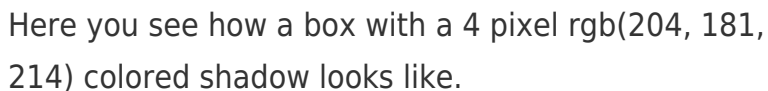
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 181, 214) }
```

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

```
.border{ border-color:rgb(204, 181, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 181, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7402, 0.3063, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 181, 214) }
```

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

```
.background{ background-color: rgb(204,  
181, 214) }
```

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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