

Converting Colors

$Y_{xy}(42.3369, 0.2965, 0.2483)$

Have a look what the booklet for
Yxy(42.3369, 0.2965, 0.2483)
contains.

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Color

Yxy(42.3014, 0.2962, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	CB9DE2
RGB	203, 157, 226
RGB Percent	80%, 62%, 89%
CMY	0.2041, 0.3842, 0.1137
CMYK	0.10, 0.31, 0.00, 0.11
HSL	280°, 54%, 75%
HSV	280°, 31%, 89%
XYZ	50.4009, 42.3014, 77.4561
YIQ	178.6200, 5.2670, 31.2110

Conversions

Conversions Part 2

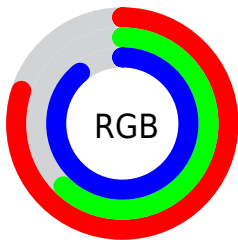
Format	Color
RYB	203, 157, 226
Decimal	13344226
CIELab	71.08, 29.37, -28.40
CIELCh	71, 40.854, 315.956
Yxy	42.3014, 0.2962, 0.2486
Android (android.graphics.Color)	4291534306 (0xFFFCB9DE2)
YUV	178.6200, 23.3583, 21.3813
Hunter-Lab	65.0395, 24.5055, -25.0813

Details

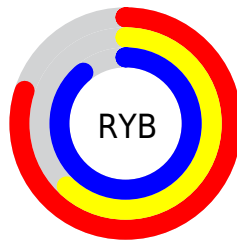
The Yxy color **42.3014, 0.2962, 0.2486** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.5383, 0.3244, 0.4141**, and the grayscale version is **44.7374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **19.3013, 0.2909, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **34.3142, 0.2890, 0.2208**, and if you desaturate by 10%, it is **51.7582, 0.3025, 0.2762**.

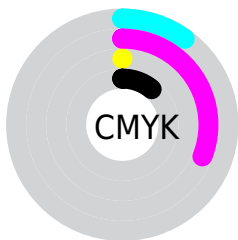
Distribution



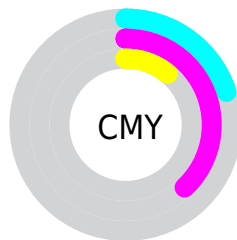
- Red (80%)
- Green (62%)
- Blue (89%)



- Red (80%)
- Yellow (62%)
- Blue (89%)



- Cyan (10%)
- Magenta (31%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (38%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3014, 0.2962, 0.2486 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 42.3014, 0.2962, 0.2486 by changing the saturation by 10% instead.

 42.3014, 0.2962,
0.2486


 42.3014, 0.2962,
0.2486


355.7308, 0.3053,
0.2868

 29.3374, 0.2937,
0.2397


 78.6556, 0.2997,
0.2620

 19.3362, 0.2904,
0.2286


 102.8145, 0.3009,
0.2672

 11.9134, 0.2859,
0.2145


131.4739, 0.3020,
0.2716

 6.6848, 0.2793,
0.1959

165.0181, 0.3029,
0.2755

 3.2657, 0.2692,
0.1707

203.8314, 0.3036,
0.2789

 1.2720, 0.2520,
0.1353

248.2984, 0.3043,

 0.1194, 0.2317,

0.2818

0.0333

298.8034, 0.3048,
0.2845

0.0000, 0.0000,
0.0000

42.3014, 0.2962,
0.2486

42.3014, 0.2962,
0.2486

34.3142, 0.2890,
0.2208

51.7582, 0.3025,
0.2762

27.7124, 0.2809,
0.1937

62.7522, 0.3079,
0.3027

22.4114, 0.2723,
0.1685


75.3528, 0.3125,
0.3278


18.3150, 0.2632,
0.1466


89.6239, 0.3163,
0.3509


15.3129, 0.2540,
0.1289

95.6608, 0.3206,
0.3580

 13.2742, 0.2452,
0.1161

 97.0157, 0.3254,
0.3576

 12.0187, 0.2371,
0.1080

 98.2707, 0.3298,
0.3572

Harmonies

Analogous

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



42.3014, 0.2458, 0.2367



42.3014, 0.2962, 0.2486



42.3014, 0.3564, 0.2775

Triad

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



42.3014, 0.2962, 0.2486



42.3014, 0.4175, 0.4062



42.3014, 0.2248, 0.3296

Complementary

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



42.3014, 0.2962, 0.2486



66.5383, 0.3244, 0.4141

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.



42.3014, 0.2649, 0.3895



42.3014, 0.2962, 0.2486



42.3014, 0.3763, 0.4337

Square

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



42.3014, 0.2962, 0.2486



42.3014, 0.4302, 0.3637



42.3014, 0.3202, 0.4301



42.3014, 0.2078, 0.2769

Rectangle

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



42.3014, 0.2962, 0.2486



42.3014, 0.3929, 0.3037



42.3014, 0.3202, 0.4301



42.3014, 0.2359, 0.3499

Sweetspot

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



42.3032, 0.2962, 0.2486



84.7955, 0.3087, 0.3065



45.7774, 0.2624, 0.2718



17.6590, 0.3079, 0.3027



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.



42.3032, 0.2962, 0.2486



48.3497, 0.2914, 0.2298



45.2315, 0.3252, 0.2637



13.6942, 0.3085, 0.3055



6.9245, 0.2384, 0.1087



0.5283, 0.2513, 0.1158

Inverse Universe

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



43.5902, 0.3584, 0.3023



50.4415, 0.3727, 0.2962



64.3651, 0.3024, 0.4045



13.7757, 0.3240, 0.3212



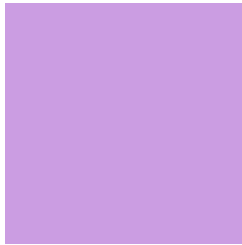
9.5380, 0.5629, 0.2874



0.6774, 0.5194, 0.2635

Previews

White Background



This preview shows how the Yxy color 42.3014, 0.2962, 0.2486 looks on a white background.

Color Contrast Check

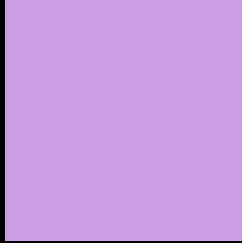
Large Text (above 18pt) WCAG AA × Fail

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 42.3014, 0.2962, 0.2486 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 42.3014, 0.2962, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 42.3014, 0.2962, 0.2486.



This preview shows how white text looks on a background with the Yxy color 42.3014, 0.2962, 0.2486.

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

42.3014, 0.2962, 0.2486

Protanopia

42.5880, 0.2530, 0.2473

Deuteranopia

42.4529, 0.2686, 0.2628



Tritanopia

42.2629, 0.3293, 0.3125

Trichromacy



Original Color

42.3014, 0.2962, 0.2486

Protanomaly

42.2913, 0.2668, 0.2478

Deuteranomaly

42.2380, 0.2782, 0.2573

Tritanomaly

42.3220, 0.3174, 0.2882

Monochromacy



Original Color

42.3014, 0.2962, 0.2486

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.8027, 0.3072, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3014, 0.2962, 0.2486 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(203, 157, 226)` looks like.

```
.text, #text, p{  
    color:rgb(203, 157, 226)  
}
```

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(203, 157, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 157, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.3014, 0.2962, 0.2486 is called "border". The border property can be set on classes, ids or directly on the HTML element.

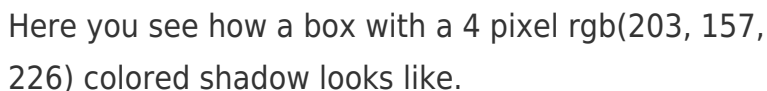
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 157, 226) }
```

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

```
.border{ border-color:rgb(203, 157, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 157, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 157, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 157, 226);  
box-shadow:4px 4px 4px 4px rgb(203, 157,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3014, 0.2962, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 157, 226) }
```

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

```
.background{ background-color: rgb(203,  
157, 226) }
```

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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