

Converting Colors

$Y_{xy}(42.1513, 0.2923, 0.2629)$

Have a look what the booklet for
Yxy(42.1513, 0.2923, 0.2629)
contains.

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Color

Yxy(42.1513, 0.2923, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	BEA3D9
RGB	190, 163, 217
RGB Percent	75%, 64%, 85%
CMY	0.2547, 0.3608, 0.1490
CMYK	0.12, 0.25, 0.00, 0.15
HSL	270°, 42%, 75%
HSV	270°, 25%, 85%
XYZ	46.8651, 42.1513, 71.3157
YIQ	177.2290, -1.2420, 22.5180

Conversions

Conversions Part 2

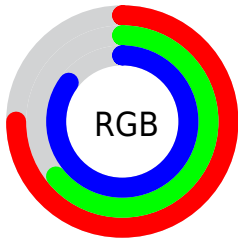
Format	Color
RYB	190, 163, 217
Decimal	12493785
CIELab	70.98, 20.12, -23.73
CIELCh	71, 31.110, 310.286
Yxy	42.1513, 0.2923, 0.2629
Android (android.graphics.Color)	4290683865 (0xFFBEA3D9)
YUV	177.2290, 19.6071, 11.2002
Hunter-Lab	64.9240, 15.2322, -19.6802

Details

The Yxy color $42.1513, 0.2923, 0.2629$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $63.2142, 0.3292, 0.3953$, and the grayscale version is $43.9916, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.1370, 0.3088, 0.2924$, and $19.2118, 0.2856, 0.2454$ is the 20% darker color. If you saturate the color by 10%, you get $33.7537, 0.2819, 0.2336$, and if you desaturate by 10%, it is $51.9783, 0.3014, 0.2909$.

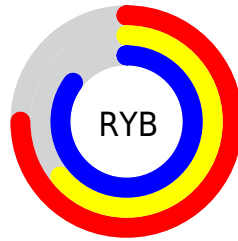
Distribution



Red (75%)

Green (64%)

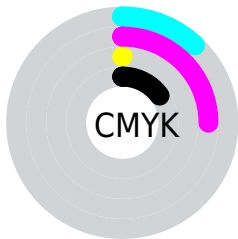
Blue (85%)



Red (75%)

Yellow (64%)

Blue (85%)

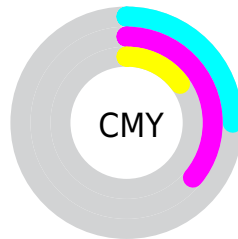


Cyan (12%)

Magenta (25%)

Yellow (0%)

Black (15%)



Cyan (25%)


Magenta (36%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1513, 0.2923, 0.2629 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 42.1513, 0.2923, 0.2629 by changing the saturation by 10% instead.

 42.1513, 0.2923,
0.2629


 42.1513, 0.2923,
0.2629


355.1097, 0.3031,
0.2949

 29.2198, 0.2895,
0.2553


 78.4286, 0.2963,
0.2743

 19.2471, 0.2858,
0.2456


 102.5431, 0.2978,
0.2786

 11.8490, 0.2807,
0.2332


131.1541, 0.2990,
0.2823

 6.6409, 0.2735,
0.2166


164.6459, 0.3001,
0.2855

 3.2386, 0.2625,
0.1934

203.4030, 0.3010,
0.2883

 1.2575, 0.2441,
0.1591

247.8098, 0.3018,

 0.1080, 0.2176,

0.2908

0.0396

298.2505, 0.3025,
0.2930

0.0000, 0.0000,
0.0000

42.1513, 0.2923,
0.2629

42.1513, 0.2923,
0.2629

33.7537, 0.2819,
0.2336

51.9783, 0.3014,
0.2909

26.7104, 0.2702,
0.2038

63.2942, 0.3093,
0.3170

20.9475, 0.2576,
0.1747

76.1616, 0.3160,
0.3410

16.3813, 0.2445,
0.1478

90.6378, 0.3216,
0.3627

12.9182, 0.2312,
0.1245

95.7996, 0.3281,
0.3669

■ 10.4497, 0.2185,
0.1061

■ 97.7901, 0.3351,
0.3661

■ 8.8435, 0.2069,
0.0933

■ 8.2415, 0.2015,
0.0883

Harmonies

Analogous

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



42.1513, 0.2551, 0.2568



42.1513, 0.2923, 0.2629



42.1513, 0.3379, 0.2837

Triad

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



42.1513, 0.2923, 0.2629



42.1513, 0.3971, 0.3846



42.1513, 0.2495, 0.3389

Complementary

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



42.1513, 0.2923, 0.2629



63.2142, 0.3292, 0.3953

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.



42.1513, 0.2842, 0.3816



42.1513, 0.2923, 0.2629



42.1513, 0.3698, 0.4069

Square

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



42.1513, 0.2923, 0.2629



42.1513, 0.4010, 0.3509



42.1513, 0.3281, 0.4073



42.1513, 0.2318, 0.2968

Rectangle

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



42.1513, 0.2923, 0.2629



42.1513, 0.3666, 0.3037



42.1513, 0.3281, 0.4073



42.1513, 0.2594, 0.3540

Sweetspot

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



42.1531, 0.2923, 0.2629



87.4844, 0.3077, 0.3115



49.6213, 0.2733, 0.2946



18.5054, 0.3072, 0.3100



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.



42.1531, 0.2923, 0.2629



53.9834, 0.2868, 0.2472



45.9531, 0.3156, 0.2674



12.9359, 0.3059, 0.3054



5.0515, 0.2029, 0.0892



0.3785, 0.2207, 0.0989

Inverse Universe

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



44.6586, 0.3394, 0.2972



58.2935, 0.3469, 0.2900



60.0585, 0.3094, 0.3994



13.1594, 0.3214, 0.3174



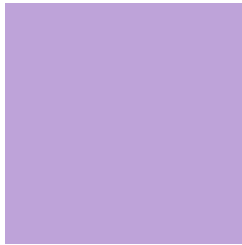
9.6108, 0.4953, 0.2502



0.6400, 0.4593, 0.2304

Previews

White Background



This preview shows how the Yxy color 42.1513, 0.2923, 0.2629 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 42.1513, 0.2923, 0.2629 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 42.1513, 0.2923, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 42.1513, 0.2923, 0.2629.



This preview shows how white text looks on a background with the Yxy color 42.1513, 0.2923, 0.2629.

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

42.1513, 0.2923, 0.2629

Protanopia

42.4098, 0.2658, 0.2635

Deuteranopia

42.1423, 0.2763, 0.2700



Tritanopia

41.9852, 0.3145, 0.3107

Trichromacy



Original Color

42.1513, 0.2923, 0.2629

Protanomaly

42.3670, 0.2751, 0.2634

Deuteranomaly

41.9424, 0.2824, 0.2671

Tritanomaly

42.0167, 0.3064, 0.2931

Monochromacy



Original Color

42.1513, 0.2923, 0.2629

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.2559, 0.3052, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1513, 0.2923, 0.2629 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(190, 163, 217)` looks like.

```
.text, #text, p{  
    color:rgb(190, 163, 217)  
}
```

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(190, 163, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 163, 217) }
```

Border

The CSS property to change the border of an element to Yxy 42.1513, 0.2923, 0.2629 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(190, 163, 217) }
```

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

```
.border{ border-color:rgb(190, 163, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 163, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 163, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 163, 217);  
box-shadow:4px 4px 4px 4px rgb(190, 163,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1513, 0.2923, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 163, 217) }
```

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

```
.background{ background-color: rgb(190,  
163, 217) }
```

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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