

Converting Colors

$Yxy(42.9749, 0.2881, 0.2636)$

Have a look what the booklet for
Yxy(42.9749, 0.2881, 0.2636)
contains.

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Color

Yxy(42.9517, 0.2884, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	BBA6DB
RGB	187, 166, 219
RGB Percent	73%, 65%, 86%
CMY	0.2665, 0.3490, 0.1412
CMYK	0.15, 0.24, 0.00, 0.14
HSL	264°, 42%, 75%
HSV	264°, 24%, 86%
XYZ	46.9215, 42.9517, 72.8227
YIQ	178.3210, -4.4970, 20.9350

Conversions

Conversions Part 2

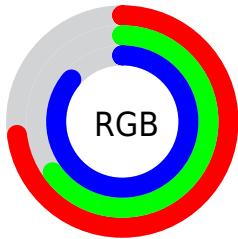
Format	Color
R _Y B	187, 166, 219
Decimal	12297947
CIE Lab	71.52, 17.92, -24.00
CIE LCh	72, 29.953, 306.739
Yxy	42.9517, 0.2884, 0.2640
Android (android.graphics.Color)	4290488027 (0xFFBBA6DB)
YUV	178.3210, 20.0547, 7.6115
Hunter-Lab	65.5375, 13.1060, -20.0044

Details

The Yxy color $42.9517, 0.2884, 0.2640$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $65.4034, 0.3329, 0.3924$, and the grayscale version is $44.5962, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1660, 0.3067, 0.2952$, and $19.7015, 0.2805, 0.2468$ is the 20% darker color. If you saturate the color by 10%, you get $34.0694, 0.2758, 0.2338$, and if you desaturate by 10%, it is $53.3460, 0.2995, 0.2925$.

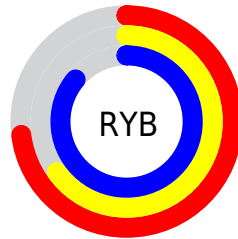
Distribution



Red (73%)

Green (65%)

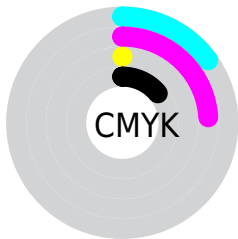
Blue (86%)



Red (73%)

Yellow (65%)

Blue (86%)

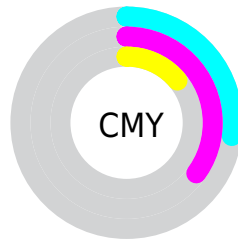


Cyan (15%)

Magenta (24%)

Yellow (0%)

Black (14%)



Cyan (27%)

Magenta (35%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9517, 0.2884, 0.2640 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 42.9517, 0.2884, 0.2640 by changing the saturation by 10% instead.

42.9517, 0.2884,
0.2640

42.9517, 0.2884,
0.2640

358.4131, 0.3010,
0.2955

29.8472, 0.2851,
0.2565

79.6380, 0.2931,
0.2752

19.7227, 0.2809,
0.2471

103.9885, 0.2948,
0.2795

12.1936, 0.2752,
0.2349

132.8566, 0.2963,
0.2831

6.8757, 0.2671,
0.2185

166.6266, 0.2975,
0.2863

3.3845, 0.2550,
0.1957

205.6828, 0.2986,
0.2890

1.3356, 0.2350,
0.1621

250.4097, 0.2995,

0.1685, 0.2036,

0.2914

0.0574

301.1917, 0.3003,
0.2936

0.0000, 0.0000,
0.0000

42.9517, 0.2884,
0.2640

42.9517, 0.2884,
0.2640

34.0694, 0.2758,
0.2338

53.3460, 0.2995,
0.2925

26.6211, 0.2619,
0.2027

65.3148, 0.3091,
0.3187

20.5295, 0.2469,
0.1719

78.9233, 0.3173,
0.3425

15.7080, 0.2314,
0.1430

94.2314, 0.3243,
0.3639

12.0592, 0.2161,
0.1178

97.5233, 0.3327,
0.3643

■ 9.4711, 0.2018,
0.0978

■ 97.8936, 0.3340,
0.3641

■ 7.8081, 0.1893,
0.0840

■ 7.1395, 0.1830,
0.0781

Harmonies

Analogous

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



42.9517, 0.2542, 0.2601



42.9517, 0.2884, 0.2640



42.9517, 0.3317, 0.2825

Triad

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



42.9517, 0.2884, 0.2640



42.9517, 0.3953, 0.3791



42.9517, 0.2553, 0.3437

Complementary

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



42.9517, 0.2884, 0.2640



65.4034, 0.3329, 0.3924

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.



42.9517, 0.2902, 0.3832



42.9517, 0.2884, 0.2640



42.9517, 0.3715, 0.4020

Square

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



42.9517, 0.2884, 0.2640



42.9517, 0.3959, 0.3462



42.9517, 0.3327, 0.4050



42.9517, 0.2361, 0.3026

Rectangle

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



42.9517, 0.2884, 0.2640



42.9517, 0.3598, 0.3011



42.9517, 0.3327, 0.4050



42.9517, 0.2655, 0.3579

Sweetspot

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



42.9535, 0.2884, 0.2640



87.1515, 0.3065, 0.3114



53.9147, 0.2751, 0.3036



18.4284, 0.3059, 0.3099



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.



42.9535, 0.2884, 0.2640



54.0526, 0.2822, 0.2489



46.4995, 0.3102, 0.2681



12.8683, 0.3043, 0.3053



4.2936, 0.1845, 0.0790



0.3273, 0.2030, 0.0892

Inverse Universe

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



46.4011, 0.3336, 0.2919



59.7984, 0.3391, 0.2838



62.1973, 0.3139, 0.3963



13.1827, 0.3198, 0.3150



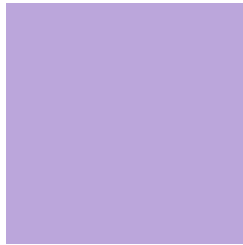
9.9399, 0.4522, 0.2265



0.6608, 0.4251, 0.2115

Previews

White Background



This preview shows how the Yxy color 42.9517, 0.2884, 0.2640 looks on a white background.

Color Contrast Check

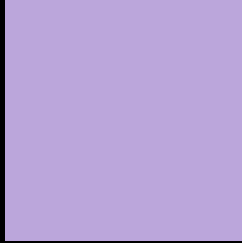
Large Text (above 18pt) WCAG AA × Fail

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 42.9517, 0.2884, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

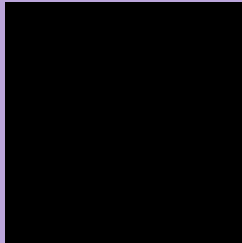
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9517, 0.2884, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 42.9517, 0.2884, 0.2640.



This preview shows how white text looks on a background with the Yxy color 42.9517, 0.2884, 0.2640.

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

42.9517, 0.2884, 0.2640

Protanopia

42.9503, 0.2660, 0.2639

Deuteranopia

43.2249, 0.2767, 0.2705



Tritanopia

42.8740, 0.3092, 0.3106

Trichromacy



Original Color

42.9517, 0.2884, 0.2640

Protanomaly

42.6813, 0.2737, 0.2634

Deuteranomaly

43.1585, 0.2812, 0.2687

Tritanomaly

42.8939, 0.3013, 0.2930

Monochromacy



Original Color

42.9517, 0.2884, 0.2640

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.9461, 0.3035, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9517, 0.2884, 0.2640 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(187, 166, 219)` looks like.

```
.text, #text, p{  
    color:rgb(187, 166, 219)  
}
```

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(187, 166, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 166, 219) }
```

Border

The CSS property to change the border of an element to Yxy 42.9517, 0.2884, 0.2640 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(187, 166, 219) }
```

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

```
.border{ border-color:rgb(187, 166, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 166, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 166, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 166, 219); box-shadow:4px 4px 4px 4px rgb(187, 166, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9517, 0.2884, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 166, 219) }
```

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

```
.background{ background-color: rgb(187,  
166, 219) }
```

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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