

Converting Colors

$Y_{xy}(29.3523, 0.3310, 0.2666)$

Have a look what the booklet for
Yxy(29.3523, 0.3310, 0.2666)
contains.

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Color

Yxy(29.3523, 0.3310, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	BD80AF
RGB	189, 128, 175
RGB Percent	74%, 50%, 69%
CMY	0.2588, 0.4980, 0.3137
CMYK	0.00, 0.32, 0.07, 0.26
HSL	314°, 32%, 62%
HSV	314°, 32%, 74%
XYZ	36.4427, 29.3523, 44.3037
YIQ	151.5970, 21.2690, 27.5490

Conversions

Conversions Part 2

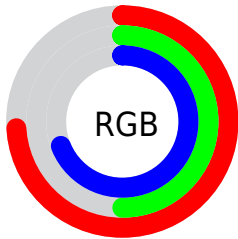
Format	Color
RYB	189, 128, 175
Decimal	12419247
CIELab	61.09, 30.95, -15.29
CIELCh	61, 34.519, 333.714
Yxy	29.3523, 0.3310, 0.2666
Android (android.graphics.Color)	4290609327 (0xFFBD80AF)
YUV	151.5970, 11.5377, 32.8024
Hunter-Lab	54.1778, 25.2569, -10.5598

Details

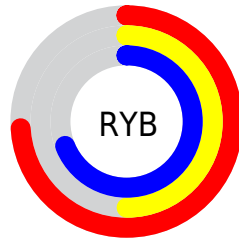
The Yxy color **29.3523, 0.3310, 0.2666** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9362, 0.2986, 0.4009**, and the grayscale version is **31.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8182, 0.3273, 0.2784**, and **12.0048, 0.3373, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **24.7060, 0.3384, 0.2475**, and if you desaturate by 10%, it is **34.9250, 0.3244, 0.2863**.

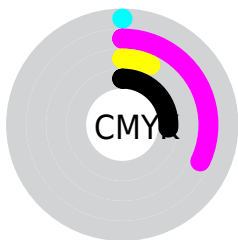
Distribution



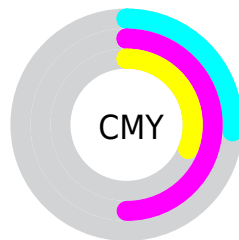
- Red (74%)
- Green (50%)
- Blue (69%)



- Red (74%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (32%)
- Yellow (7%)
- Black (26%)





- Cyan (26%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3523, 0.3310, 0.2666 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 29.3523, 0.3310, 0.2666 by changing the saturation by 10% instead.


 29.3523, 0.3310,
0.2666


 29.3523, 0.3310,
0.2666


298.8736, 0.3219,
0.2985

 19.3475, 0.3332,
0.2584


 58.6364, 0.3277,
0.2784

 11.9216, 0.3361,
0.2478


 78.6844, 0.3265,
0.2827

 6.6903, 0.3398,
0.2335


 102.8490, 0.3254,
0.2864

 3.2692, 0.3448,
0.2133

131.5145, 0.3245,
0.2895

 1.2738, 0.3518,
0.1828

165.0653, 0.3237,
0.2922

 0.1208, 0.3937,
0.0546

203.8858, 0.3231,

 0.0000, 0.0000,

0.2946

0.0000

248.3604, 0.3224,
0.2967

■ 29.3523, 0.3310,
0.2666

■ 29.3523, 0.3310,
0.2666

■ 24.7060, 0.3384,
0.2475

■ 34.9250, 0.3244,
0.2863

■ 20.9310, 0.3465,
0.2297

■ 41.4672, 0.3187,
0.3059

■ 17.9725, 0.3552,
0.2144


■ 49.0244, 0.3137,
0.3248

■ 15.7678, 0.3643,
0.2025


■ 57.6377, 0.3095,
0.3428


■ 14.2451, 0.3735,
0.1947


■ 67.3460, 0.3059,
0.3597


 13.3185, 0.3824,
0.1917

 78.1864, 0.3029,
0.3753

 12.8823, 0.3892,
0.1918

 86.7633, 0.3004,
0.3844

 86.9761, 0.2981,
0.3794

 87.1948, 0.2958,
0.3744

Harmonies

Analogous

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



29.3523, 0.2755, 0.2450



29.3523, 0.3310, 0.2666



29.3523, 0.3857, 0.3019

Triad

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



29.3523, 0.3310, 0.2666



29.3523, 0.3923, 0.4212



29.3523, 0.2160, 0.2980

Complementary

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



29.3523, 0.3310, 0.2666



42.9362, 0.2986, 0.4009

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.



29.3523, 0.2419, 0.3535



29.3523, 0.3310, 0.2666



29.3523, 0.3428, 0.4310

Square

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



29.3523, 0.3310, 0.2666



29.3523, 0.4217, 0.3877



29.3523, 0.2877, 0.4059



29.3523, 0.2135, 0.2587

Rectangle

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



29.3523, 0.3310, 0.2666



29.3523, 0.4119, 0.3300



29.3523, 0.2877, 0.4059



29.3523, 0.2221, 0.3153

Sweetspot

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



29.3536, 0.3310, 0.2666



76.9739, 0.3176, 0.3099



24.7961, 0.2681, 0.2380



16.1639, 0.3183, 0.3072



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3536, 0.3310, 0.2666



46.2975, 0.3364, 0.2524



28.3115, 0.3649, 0.3053



9.6578, 0.3172, 0.3115



8.6801, 0.3881, 0.1912



0.3493, 0.3690, 0.1806

Inverse Universe

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



29.3536, 0.3310, 0.2666



46.2975, 0.3364, 0.2524



43.9509, 0.2783, 0.3544



9.6578, 0.3172, 0.3115



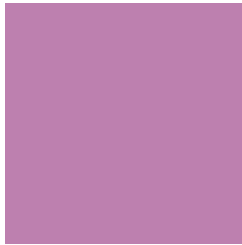
8.6801, 0.3881, 0.1912



0.3493, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 29.3523, 0.3310, 0.2666 looks on a white background.

Color Contrast Check

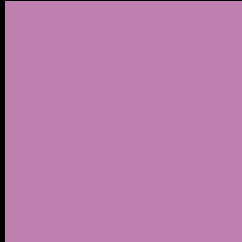
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3523, 0.3310, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

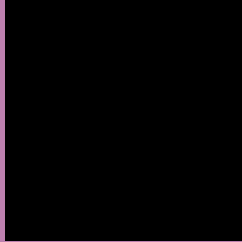
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3523, 0.3310, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 29.3523, 0.3310, 0.2666.



This preview shows how white text looks on a background with the Yxy color 29.3523, 0.3310, 0.2666.

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

29.3523, 0.3310, 0.2666

Protanopia

29.5070, 0.2676, 0.2661

Deuteranopia

29.4091, 0.2926, 0.2868



Tritanopia

29.3781, 0.3600, 0.3151

Trichromacy



Original Color

29.3523, 0.3310, 0.2666

Protanomaly

28.9521, 0.2884, 0.2652

Deuteranomaly

29.0866, 0.3057, 0.2784

Tritanomaly

29.3082, 0.3491, 0.2973

Monochromacy



Original Color

29.3523, 0.3310, 0.2666

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.1823, 0.3191, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3523, 0.3310, 0.2666 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(189, 128, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 128, 175)  
}
```

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(189, 128, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 128, 175) }
```

Border

The CSS property to change the border of an element to Yxy 29.3523, 0.3310, 0.2666 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(189, 128, 175) }
```

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

```
.border{ border-color:rgb(189, 128, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 128, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 128, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 128, 175); box-shadow:4px 4px 4px 4px rgb(189, 128, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3523, 0.3310, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 128, 175) }
```

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

```
.background{ background-color: rgb(189,  
128, 175) }
```

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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