

Converting Colors

$Y_{xy}(30.5565, 0.3324, 0.2773)$

Have a look what the booklet for
Yxy(30.5565, 0.3324, 0.2773)
contains.

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Color

Yxy(30.4450, 0.3325, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	BC85AC
RGB	188, 133, 172
RGB Percent	74%, 52%, 67%
CMY	0.2628, 0.4784, 0.3255
CMYK	0.00, 0.29, 0.09, 0.26
HSL	317°, 29%, 63%
HSV	317°, 29%, 74%
XYZ	36.5714, 30.4450, 42.9728
YIQ	153.8910, 20.2610, 23.7890

Conversions

Conversions Part 2

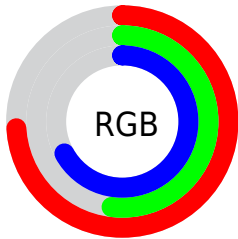
Format	Color
RYB	188, 133, 172
Decimal	12354988
CIELab	62.04, 27.30, -12.16
CIElCh	62, 29.889, 335.997
Yxy	30.4450, 0.3325, 0.2768
Android (android.graphics.Color)	4290545068 (0xFFBC85AC)
YUV	153.8910, 8.9277, 29.9136
Hunter-Lab	55.1770, 21.7504, -7.5522

Details

The Yxy color **30.4450, 0.3325, 0.2768** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.1229, 0.2974, 0.3877**, and the grayscale version is **32.2187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4992, 0.3292, 0.2874**, and **12.6109, 0.3380, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **25.5448, 0.3414, 0.2587**, and if you desaturate by 10%, it is **36.2779, 0.3247, 0.2951**.

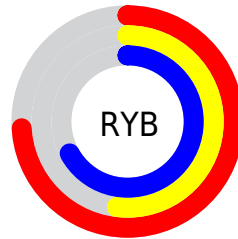
Distribution



Red (74%)

Green (52%)

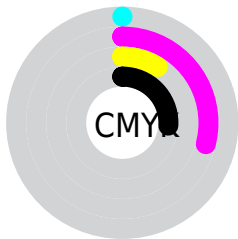
Blue (67%)



Red (74%)

Yellow (52%)

Blue (67%)

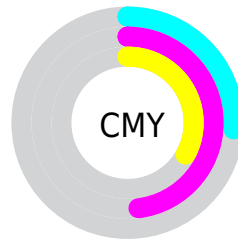


Cyan (0%)

Magenta (29%)

Yellow (9%)

Black (26%)



Cyan (26%)


Magenta (48%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4450, 0.3325, 0.2768 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 30.4450, 0.3325, 0.2768 by changing the saturation by 10% instead.


 30.4450, 0.3325,
0.2768


 30.4450, 0.3325,
0.2768


303.9732, 0.3224,
0.3036

 20.1766, 0.3351,
0.2699


 60.3652, 0.3288,
0.2867

 12.5235, 0.3384,
0.2609


 80.7858, 0.3274,
0.2904

 7.1012, 0.3428,
0.2487


 105.3593, 0.3263,
0.2935

 3.5255, 0.3491,
0.2313

134.4700, 0.3253,
0.2961

 1.4118, 0.3584,
0.2047

168.5023, 0.3244,
0.2983

 0.2254, 0.3991,
0.1021

207.8407, 0.3237,

 0.0000, 0.0000,

0.3003

0.0000

252.8696, 0.3230,
0.3021

■ 30.4450, 0.3325,
0.2768

■ 30.4450, 0.3325,
0.2768

■ 25.5448, 0.3414,
0.2587

■ 36.2779, 0.3247,
0.2951

■ 21.5240, 0.3515,
0.2416

■ 43.0849, 0.3180,
0.3131

■ 18.3299, 0.3625,
0.2265

■ 50.9100, 0.3123,
0.3303

■ 15.9031, 0.3743,
0.2144

■ 59.7933, 0.3075,
0.3465

■ 14.1754, 0.3864,
0.2064

■ 69.7727, 0.3035,
0.3616

■ 13.0673, 0.3986,
0.2030

■ 80.8841, 0.3001,
0.3756

■ 12.4339, 0.4105,
0.2039

■ 86.8791, 0.2972,
0.3787

■ 12.3919, 0.4114,
0.2040

■ 87.1571, 0.2943,
0.3724

■ 87.4445, 0.2914,
0.3662

Harmonies

Analogous

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



30.4450, 0.2843, 0.2567



30.4450, 0.3325, 0.2768



30.4450, 0.3782, 0.3086

Triad

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



30.4450, 0.3325, 0.2768



30.4450, 0.3789, 0.4100



30.4450, 0.2280, 0.3000

Complementary

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



30.4450, 0.3325, 0.2768



43.1229, 0.2974, 0.3877

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.



30.4450, 0.2495, 0.3464



30.4450, 0.3325, 0.2768



30.4450, 0.3357, 0.4149

Square

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



30.4450, 0.3325, 0.2768



30.4450, 0.4053, 0.3833



30.4450, 0.2884, 0.3911



30.4450, 0.2272, 0.2669

Rectangle

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



30.4450, 0.3325, 0.2768



30.4450, 0.3993, 0.3336



30.4450, 0.2884, 0.3911



30.4450, 0.2329, 0.3145

Sweetspot

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



30.4464, 0.3325, 0.2768



78.2238, 0.3180, 0.3132



26.7588, 0.2765, 0.2484



16.4099, 0.3189, 0.3107



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.



30.4464, 0.3325, 0.2768



49.3738, 0.3380, 0.2653



29.5102, 0.3627, 0.3126



9.6476, 0.3181, 0.3129



8.4508, 0.4100, 0.2032



0.3419, 0.3840, 0.1889

Inverse Universe

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



30.4464, 0.3325, 0.2768



49.3738, 0.3380, 0.2653



44.0903, 0.2788, 0.3462



9.6476, 0.3181, 0.3129



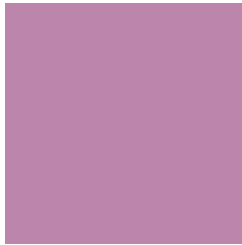
8.4508, 0.4100, 0.2032



0.3419, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 30.4450, 0.3325, 0.2768 looks on a white background.

Color Contrast Check

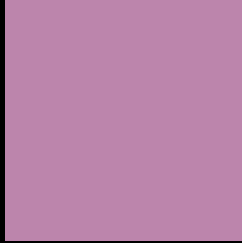
Large Text (above 18pt) WCAG AA × Fail

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 30.4450, 0.3325, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

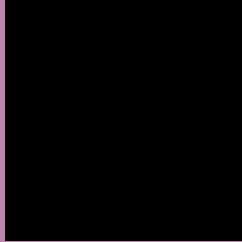
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4450, 0.3325, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 30.4450, 0.3325, 0.2768.



This preview shows how white text looks on a background with the Yxy color 30.4450, 0.3325, 0.2768.

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

30.4450, 0.3325, 0.2768

Protanopia

30.7534, 0.2771, 0.2783

Deuteranopia

30.5280, 0.3003, 0.2934



Tritanopia

30.3437, 0.3547, 0.3138

Trichromacy



Original Color

30.4450, 0.3325, 0.2768

Protanomaly

30.2705, 0.2951, 0.2769

Deuteranomaly

30.3149, 0.3116, 0.2860

Tritanomaly

30.4817, 0.3460, 0.3002

Monochromacy



Original Color

30.4450, 0.3325, 0.2768

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.2380, 0.3189, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4450, 0.3325, 0.2768 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(188, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(188, 133, 172)  
}
```

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(188, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 133, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.4450, 0.3325, 0.2768 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(188, 133, 172) }
```

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

```
.border{ border-color:rgb(188, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(188, 133,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4450, 0.3325, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 133, 172) }
```

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

```
.background{ background-color: rgb(188,  
133, 172) }
```

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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