

Converting Colors

$Y_{xy}(30.7790, 0.3132, 0.2658)$

Have a look what the booklet for
Yxy(30.7790, 0.3132, 0.2658)
contains.

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Color

Yxy(30.7305, 0.3126, 0.2655)

Conversions

Conversions Part 1

Format	Color
Hex	B488B7
RGB	180, 136, 183
RGB Percent	71%, 53%, 72%
CMY	0.2940, 0.4667, 0.2823
CMYK	0.02, 0.26, 0.00, 0.28
HSL	296°, 25%, 63%
HSV	296°, 26%, 72%
XYZ	36.1821, 30.7305, 48.8331
YIQ	154.5140, 11.1370, 23.9450

Conversions

Conversions Part 2

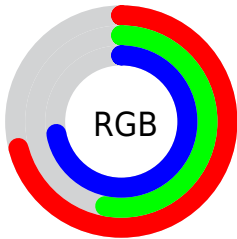
Format	Color
RYB	180, 136, 183
Decimal	11831479
CIELab	62.28, 24.96, -18.13
CIELCh	62, 30.848, 324.014
Yxy	30.7305, 0.3126, 0.2655
Android (android.graphics.Color)	4290021559 (0xFFB488B7)
YUV	154.5140, 14.0436, 22.3512
Hunter-Lab	55.4351, 19.4944, -13.4244

Details

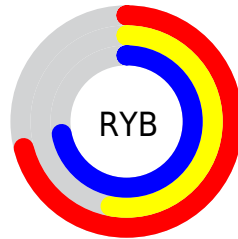
The Yxy color **30.7305, 0.3126, 0.2655** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.1366, 0.3118, 0.4006**, and the grayscale version is **32.4878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8918, 0.3128, 0.2777**, and **12.7793, 0.3120, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **25.8717, 0.3122, 0.2408**, and if you desaturate by 10%, it is **36.4733, 0.3128, 0.2906**.

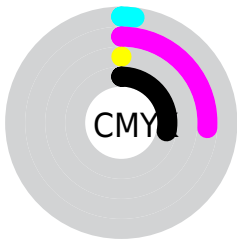
Distribution



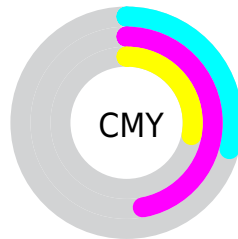
- Red (71%)
- Green (53%)
- Blue (72%)



- Red (71%)
- Yellow (53%)
- Blue (72%)



- Cyan (2%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)





- Cyan (29%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7305, 0.3126, 0.2655 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 30.7305, 0.3126, 0.2655 by changing the saturation by 10% instead.


 30.7305, 0.3126,
0.2655


 30.7305, 0.3126,
0.2655


305.2948, 0.3133,
0.2978


 20.3937, 0.3122,
0.2573


 60.8155, 0.3130,
0.2774

 12.6816, 0.3115,
0.2467


 81.3325, 0.3131,
0.2818

 7.2096, 0.3104,
0.2325


 106.0118, 0.3132,
0.2855

 3.5936, 0.3082,
0.2125

135.2376, 0.3132,
0.2887

 1.4489, 0.3037,
0.1827

169.3944, 0.3133,
0.2914

 0.2524, 0.3070,
0.0912

208.8666, 0.3133,

 0.0000, 0.0000,

0.2938

0.0000

254.0386, 0.3133,
0.2959

■ 30.7305, 0.3126,
0.2655

■ 30.7305, 0.3126,
0.2655

■ 25.8717, 0.3122,
0.2408

■ 36.4733, 0.3128,
0.2906

■ 21.8483, 0.3117,
0.2173

■ 43.1375, 0.3128,
0.3153

■ 18.6128, 0.3109,
0.1959

■ 50.7636, 0.3126,
0.3391

■ 16.1116, 0.3099,
0.1778

■ 59.3880, 0.3124,
0.3615

■ 14.2844, 0.3087,
0.1634

■ 69.0457, 0.3121,
0.3824

■ 13.0612, 0.3073,
0.1533

■ 79.7696, 0.3118,
0.4016

■ 12.3541, 0.3058,
0.1474

■ 85.6495, 0.3119,
0.4105

■ 12.1270, 0.3051,
0.1455

■ 85.7973, 0.3126,
0.4103

■ 85.9463, 0.3133,
0.4102

Harmonies

Analogous

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



30.7305, 0.2662, 0.2510



30.7305, 0.3126, 0.2655



30.7305, 0.3627, 0.2939

Triad

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



30.7305, 0.3126, 0.2655



30.7305, 0.3943, 0.4032



30.7305, 0.2320, 0.3171

Complementary

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



30.7305, 0.3126, 0.2655



41.1366, 0.3118, 0.4006

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.



30.7305, 0.2619, 0.3667



30.7305, 0.3126, 0.2655



30.7305, 0.3553, 0.4188

Square

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



30.7305, 0.3126, 0.2655



30.7305, 0.4116, 0.3702



30.7305, 0.3067, 0.4063



30.7305, 0.2227, 0.2765

Rectangle

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



30.7305, 0.3126, 0.2655



30.7305, 0.3901, 0.3180



30.7305, 0.3067, 0.4063



30.7305, 0.2398, 0.3334

Sweetspot

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



30.7318, 0.3126, 0.2655



74.1827, 0.3128, 0.3094



27.1525, 0.2696, 0.2619



15.9775, 0.3128, 0.3057



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.7318, 0.3126, 0.2655



49.7826, 0.3124, 0.2510



30.3046, 0.3367, 0.2922



9.1330, 0.3128, 0.3064



8.4695, 0.3053, 0.1456



0.3073, 0.3096, 0.1479

Inverse Universe

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



29.5362, 0.3629, 0.3249



47.2880, 0.3787, 0.3240



41.5196, 0.2943, 0.3690



9.0212, 0.3278, 0.3276



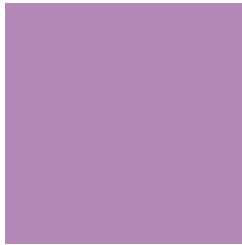
7.0447, 0.6319, 0.3255



0.2515, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 30.7305, 0.3126, 0.2655 looks on a white background.

Color Contrast Check

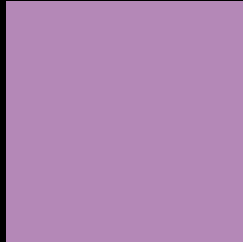
Large Text (above 18pt) WCAG AA × Fail

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 30.7305, 0.3126, 0.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

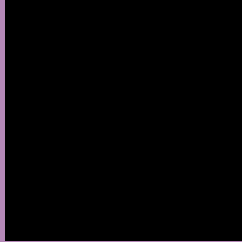
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7305, 0.3126, 0.2655

Background



This preview shows how black text looks on a background with the Yxy color 30.7305, 0.3126, 0.2655.



This preview shows how white text looks on a background with the Yxy color 30.7305, 0.3126, 0.2655.

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

30.7305, 0.3126, 0.2655

Protanopia

30.8761, 0.2676, 0.2658

Deuteranopia

30.7829, 0.2859, 0.2790



Tritanopia

30.8760, 0.3382, 0.3133

Trichromacy



Original Color

30.7305, 0.3126, 0.2655

Protanomaly

30.5892, 0.2827, 0.2646

Deuteranomaly

30.7037, 0.2953, 0.2734

Tritanomaly

30.7836, 0.3281, 0.2953

Monochromacy



Original Color

30.7305, 0.3126, 0.2655

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.7889, 0.3129, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7305, 0.3126, 0.2655 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(180, 136, 183)` looks like.

```
.text, #text, p{  
    color:rgb(180, 136, 183)  
}
```

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(180, 136, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 136, 183) }
```

Border

The CSS property to change the border of an element to Yxy 30.7305, 0.3126, 0.2655 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(180, 136, 183) }
```

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

```
.border{ border-color:rgb(180, 136, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 136, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 136, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 136, 183);  
box-shadow:4px 4px 4px 4px rgb(180, 136,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7305, 0.3126, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 136, 183) }
```

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

```
.background{ background-color: rgb(180,  
136, 183) }
```

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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