

Converting Colors

$Y_{xy}(30.7258, 0.3073, 0.2261)$

Have a look what the booklet for
Yxy(30.7258, 0.3073, 0.2261)
contains.

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Color

Yxy(30.7258, 0.3073, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	C67BD0
RGB	198, 123, 208
RGB Percent	78%, 48%, 82%
CMY	0.2235, 0.5177, 0.1843
CMYK	0.05, 0.41, 0.00, 0.18
HSL	293°, 47%, 65%
HSV	293°, 41%, 82%
XYZ	41.7605, 30.7258, 63.4085
YIQ	155.1150, 17.4150, 42.3350

Conversions

Conversions Part 2

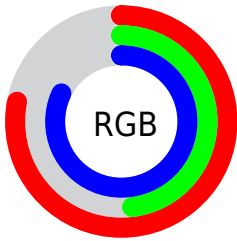
Format	Color
RYB	198, 123, 208
Decimal	13007824
CIELab	62.28, 42.72, -32.06
CIELCh	62, 53.410, 323.113
Yxy	30.7258, 0.3073, 0.2261
Android (android.graphics.Color)	4291197904 (0xFFC67BD0)
YUV	155.1150, 26.0723, 37.6101
Hunter-Lab	55.4309, 37.4742, -29.0214

Details

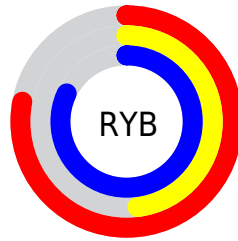
The Yxy color **30.7258, 0.3073, 0.2261** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.5307, 0.3137, 0.4515**, and the grayscale version is **32.7094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **12.7743, 0.3042, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **25.7739, 0.3051, 0.2026**, and if you desaturate by 10%, it is **36.7821, 0.3091, 0.2512**.

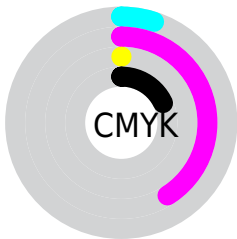
Distribution



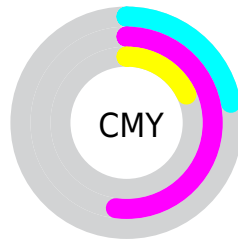
- Red (78%)
- Green (48%)
- Blue (82%)



- Red (78%)
- Yellow (48%)
- Blue (82%)



- Cyan (5%)
- Magenta (41%)
- Yellow (0%)
- Black (18%)




- Cyan (22%)
- Magenta (52%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7258, 0.3073, 0.2261 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 30.7258, 0.3073, 0.2261 by changing the saturation by 10% instead.


 30.7258, 0.3073,
0.2261


 30.7258, 0.3073,
0.2261


305.2731, 0.3118,
0.2763


 20.3901, 0.3056,
0.2141


 60.8081, 0.3093,
0.2440

 12.6790, 0.3032,
0.1991

 81.3236, 0.3100,
0.2508

 7.2079, 0.2994,
0.1799


 106.0010, 0.3105,
0.2566

 3.5924, 0.2932,
0.1546

135.2250, 0.3109,
0.2616

 1.4483, 0.2821,
0.1205

169.3798, 0.3112,
0.2660

 0.2519, 0.2668,
0.0493

208.8498, 0.3114,

 0.0000, 0.1453,

0.2698

0.0000


254.0194, 0.3116,
0.2732

 0.0000, 0.0000,
0.0000

 30.7258, 0.3073,
0.2261


 30.7258, 0.3073,
0.2261


 25.7739, 0.3051,
0.2026

 36.7821, 0.3091,
0.2512


 21.8522, 0.3026,
0.1818


 44.0026, 0.3106,
0.2768


 18.8839, 0.2999,
0.1644

 52.4478, 0.3118,
0.3023


 16.7797, 0.2970,
0.1513


 62.1726, 0.3127,
0.3269


 15.4332, 0.2940,
0.1426


 73.2287, 0.3133,
0.3502

 14.6908, 0.2912,
0.1378

 85.6649, 0.3137,
0.3720

 90.5409, 0.3148,
0.3789

 90.9141, 0.3163,
0.3787

 91.2928, 0.3178,
0.3785

Harmonies

Analogous

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



30.7258, 0.2323, 0.2040



30.7258, 0.3073, 0.2261



30.7258, 0.3955, 0.2685

Triad

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



30.7258, 0.3073, 0.2261



30.7258, 0.4471, 0.4446



30.7258, 0.1812, 0.3056

Complementary

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



30.7258, 0.3073, 0.2261



51.5307, 0.3137, 0.4515

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.



30.7258, 0.2267, 0.3984



30.7258, 0.3073, 0.2261



30.7258, 0.3798, 0.4845

Square

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



30.7258, 0.3073, 0.2261



30.7258, 0.4808, 0.3853



30.7258, 0.2993, 0.4726



30.7258, 0.1682, 0.2387

Rectangle

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



30.7258, 0.3073, 0.2261



30.7258, 0.4452, 0.3047



30.7258, 0.2993, 0.4726



30.7258, 0.1927, 0.3351

Sweetspot

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



30.7271, 0.3073, 0.2261



81.3309, 0.3117, 0.2991



25.9066, 0.2399, 0.2210



17.0122, 0.3115, 0.2958



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.



30.7271, 0.3073, 0.2261



41.7791, 0.3054, 0.2055



30.7434, 0.3504, 0.2627



11.9356, 0.3119, 0.3060



9.1830, 0.2917, 0.1380



0.5339, 0.2974, 0.1412

Inverse Universe

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



29.2687, 0.4037, 0.3165



39.2747, 0.4346, 0.3142



51.6646, 0.2881, 0.4070



11.8305, 0.3272, 0.3263



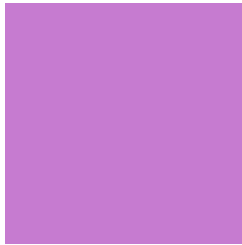
8.4075, 0.6246, 0.3214



0.4778, 0.5861, 0.3003

Previews

White Background



This preview shows how the Yxy color 30.7258, 0.3073, 0.2261 looks on a white background.

Color Contrast Check

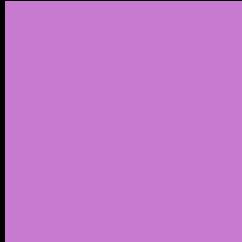
Large Text (above 18pt) WCAG AA × Fail

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 30.7258, 0.3073, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

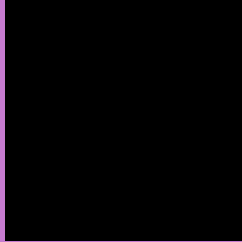
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7258, 0.3073, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 30.7258, 0.3073, 0.2261.



This preview shows how white text looks on a background with the Yxy color 30.7258, 0.3073, 0.2261.

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

30.7258, 0.3073, 0.2261

Protanopia

30.9922, 0.2317, 0.2192

Deuteranopia

31.0409, 0.2564, 0.2513



Tritanopia

30.6621, 0.3616, 0.3141

Trichromacy



Original Color

30.7258, 0.3073, 0.2261



Protanomaly

30.1697, 0.2537, 0.2195



Deuteranomaly

30.5349, 0.2731, 0.2403



Tritanomaly

30.4346, 0.3415, 0.2788

Monochromacy



Original Color

30.7258, 0.3073, 0.2261



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.3588, 0.3117, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7258, 0.3073, 0.2261 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(198, 123, 208)` looks like.

```
.text, #text, p{  
    color:rgb(198, 123, 208)  
}
```

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(198, 123, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 123, 208) }
```

Border

The CSS property to change the border of an element to Yxy 30.7258, 0.3073, 0.2261 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(198, 123, 208) }
```

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

```
.border{ border-color:rgb(198, 123, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 123, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 123, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 123, 208);  
box-shadow:4px 4px 4px 4px rgb(198, 123,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7258, 0.3073, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 123, 208) }
```

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

```
.background{ background-color: rgb(198,  
123, 208) }
```

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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