

Converting Colors

$Y_{xy}(30.7451, 0.3029, 0.2337)$

Have a look what the booklet for
Yxy(30.7451, 0.3029, 0.2337)
contains.

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Color

Yxy(30.7451, 0.3029, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	BE80CC
RGB	190, 128, 204
RGB Percent	75%, 50%, 80%
CMY	0.2550, 0.4980, 0.2000
CMYK	0.07, 0.37, 0.00, 0.20
HSL	289°, 43%, 65%
HSV	289°, 37%, 80%
XYZ	39.8489, 30.7451, 60.9640
YIQ	155.2020, 12.5560, 36.7800

Conversions

Conversions Part 2

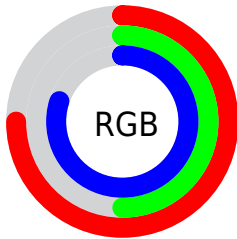
Format	Color
R _Y B	190, 128, 204
Decimal	12484812
CIE Lab	62.29, 36.76, -29.86
CIE LCh	62, 47.355, 320.915
Yxy	30.7451, 0.3029, 0.2337
Android (android.graphics.Color)	4290674892 (0xFFBE80CC)
YUV	155.2020, 24.0574, 30.5178
Hunter-Lab	55.4483, 31.2478, -26.3741

Details

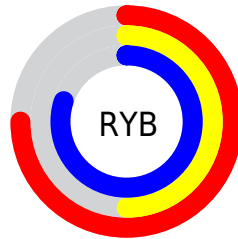
The Yxy color **30.7451, 0.3029, 0.2337** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.5024, 0.3176, 0.4376**, and the grayscale version is **32.7605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4501, 0.3099, 0.2561**, and **12.6607, 0.2968, 0.2070** is the 20% darker color. If you saturate the color by 10%, you get **25.4693, 0.2991, 0.2086**, and if you desaturate by 10%, it is **37.1059, 0.3062, 0.2598**.

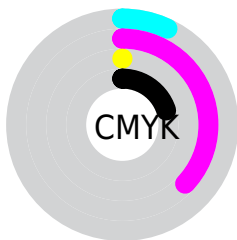
Distribution



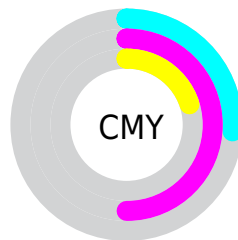
- Red (75%)
- Green (50%)
- Blue (80%)



- Red (75%)
- Yellow (50%)
- Blue (80%)



- Cyan (7%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)




- Cyan (26%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7451, 0.3029, 0.2337 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 30.7451, 0.3029, 0.2337 by changing the saturation by 10% instead.

 30.7451, 0.3029,
0.2337


 30.7451, 0.3029,
0.2337


305.3623, 0.3094,
0.2807

 20.4048, 0.3008,
0.2223


 60.8385, 0.3056,
0.2505

 12.6897, 0.2978,
0.2080


 81.3605, 0.3065,
0.2569

 7.2152, 0.2933,
0.1894


 106.0451, 0.3073,
0.2624

 3.5970, 0.2861,
0.1647

135.2768, 0.3079,
0.2670

 1.4508, 0.2736,
0.1306

169.4400, 0.3083,
0.2711

 0.2537, 0.2566,
0.0554

208.9190, 0.3088,


 0.0000, 0.0686,


0.2747


0.0000


254.0983, 0.3091,
0.2778


 0.0000, 0.0000,
0.0000


 30.7451, 0.3029,
0.2337


 30.7451, 0.3029,
0.2337

 25.4693, 0.2991,
0.2086


 37.1059, 0.3062,
0.2598


 21.2101, 0.2948,
0.1854

 44.6071, 0.3090,
0.2859

 17.8971, 0.2902,
0.1654


 53.3047, 0.3113,
0.3113

 15.4496, 0.2854,
0.1492

 63.2502, 0.3132,
0.3355


 13.7730, 0.2805,
0.1375

 74.4917, 0.3146,
0.3581


 12.7380, 0.2756,
0.1301

 87.0751, 0.3157,
0.3790

 12.5034, 0.2743,
0.1285

 90.5311, 0.3178,
0.3832

 91.1127, 0.3202,
0.3828

 91.7075, 0.3226,
0.3824

Harmonies

Analogous

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



30.7451, 0.2367, 0.2151



30.7451, 0.3029, 0.2337



30.7451, 0.3809, 0.2715

Triad

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



30.7451, 0.3029, 0.2337



30.7451, 0.4377, 0.4312



30.7451, 0.1964, 0.3150

Complementary

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



30.7451, 0.3029, 0.2337



50.5024, 0.3176, 0.4376

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.



30.7451, 0.2406, 0.3960



30.7451, 0.3029, 0.2337



30.7451, 0.3797, 0.4661

Square

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



30.7451, 0.3029, 0.2337



30.7451, 0.4634, 0.3780



30.7451, 0.3075, 0.4573



30.7451, 0.1817, 0.2524

Rectangle

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



30.7451, 0.3029, 0.2337



30.7451, 0.4261, 0.3043



30.7451, 0.3075, 0.4573



30.7451, 0.2079, 0.3413

Sweetspot

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



30.7464, 0.3029, 0.2337



82.4217, 0.3105, 0.3015



28.6597, 0.2484, 0.2400



17.2158, 0.3102, 0.2981



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.



30.7464, 0.3029, 0.2337



43.5099, 0.2998, 0.2126



31.6256, 0.3405, 0.2627



11.2950, 0.3109, 0.3060



7.9069, 0.2749, 0.1288



0.4358, 0.2844, 0.1341

Inverse Universe

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



30.2352, 0.3859, 0.3110



42.6780, 0.4111, 0.3071



50.0072, 0.2932, 0.4065



11.2469, 0.3261, 0.3247



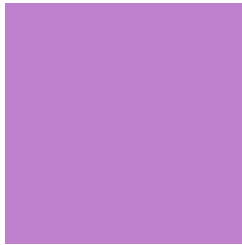
8.1769, 0.6098, 0.3133



0.4323, 0.5570, 0.2842

Previews

White Background



This preview shows how the Yxy color 30.7451, 0.3029, 0.2337 looks on a white background.

Color Contrast Check

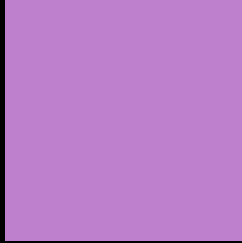
Large Text (above 18pt) WCAG AA × Fail

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 30.7451, 0.3029, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

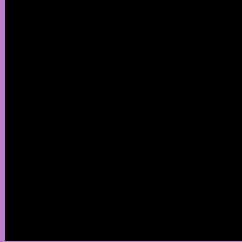
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7451, 0.3029, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 30.7451, 0.3029, 0.2337.



This preview shows how white text looks on a background with the Yxy color 30.7451, 0.3029, 0.2337.

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

30.7451, 0.3029, 0.2337

Protanopia

31.1742, 0.2391, 0.2299

Deuteranopia

31.1540, 0.2609, 0.2555



Tritanopia

30.6123, 0.3486, 0.3136

Trichromacy



Original Color

30.7451, 0.3029, 0.2337



Protanomaly

30.3888, 0.2588, 0.2297



Deuteranomaly

30.5359, 0.2754, 0.2461



Tritanomaly

30.5445, 0.3311, 0.2815

Monochromacy



Original Color

30.7451, 0.3029, 0.2337



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.5928, 0.3095, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7451, 0.3029, 0.2337 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(190, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(190, 128, 204)  
}
```

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(190, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 128, 204) }
```

Border

The CSS property to change the border of an element to Yxy 30.7451, 0.3029, 0.2337 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(190, 128, 204) }
```

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

```
.border{ border-color:rgb(190, 128, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 128, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(190, 128,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7451, 0.3029, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 128, 204) }
```

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

```
.background{ background-color: rgb(190,  
128, 204) }
```

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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