

Converting Colors

$Y_{xy}(30.8351, 0.2699, 0.2120)$

Have a look what the booklet for
Yxy(30.8351, 0.2699, 0.2120)
contains.

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Color

Yxy(30.9374, 0.2703, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	AE84E1
RGB	174, 132, 225
RGB Percent	68%, 52%, 88%
CMY	0.3177, 0.4823, 0.1176
CMYK	0.23, 0.41, 0.00, 0.12
HSL	267°, 61%, 70%
HSV	267°, 41%, 88%
XYZ	39.2969, 30.9374, 75.1482
YIQ	155.1600, -4.8210, 37.8270

Conversions

Conversions Part 2

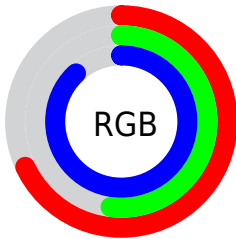
Format	Color
RYB	174, 132, 225
Decimal	11437281
CIELab	62.45, 34.32, -41.48
CIElCh	62, 53.836, 309.604
Yxy	30.9374, 0.2703, 0.2128
Android (android.graphics.Color)	4289627361 (0xFFAE84E1)
YUV	155.1600, 34.4311, 16.5227
Hunter-Lab	55.6214, 28.7740, -41.1698

Details

The Yxy color **30.9374, 0.2703, 0.2128** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.5994, 0.3420, 0.4431**, and the grayscale version is **32.6996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3267, 0.2977, 0.2576**, and **12.8211, 0.2553, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **24.1263, 0.2568, 0.1825**, and if you desaturate by 10%, it is **39.1974, 0.2827, 0.2432**.

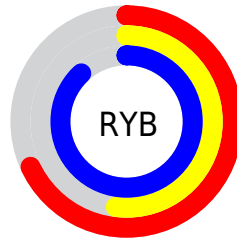
Distribution



Red (68%)

Green (52%)

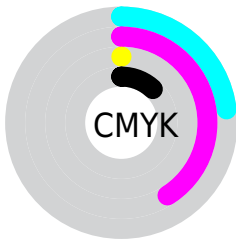
Blue (88%)



Red (68%)

Yellow (52%)

Blue (88%)

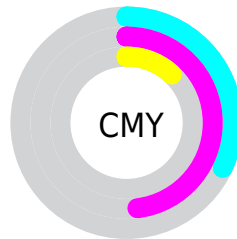


Cyan (23%)

Magenta (41%)

Yellow (0%)

Black (12%)



Cyan (32%)

Magenta (48%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9374, 0.2703, 0.2128 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 30.9374, 0.2703, 0.2128 by changing the saturation by 10% instead.


 30.9374, 0.2703,
0.2128


 30.9374, 0.2703,
0.2128


306.2498, 0.2937,
0.2690


 20.5512, 0.2639,
0.1996


 61.1415, 0.2792,
0.2327

 12.7963, 0.2555,
0.1833


 81.7282, 0.2825,
0.2403

 7.2885, 0.2440,
0.1626


 106.4838, 0.2852,
0.2468

 3.6431, 0.2274,
0.1361

135.7927, 0.2874,
0.2525

 1.4760, 0.2026,
0.1017

170.0394, 0.2893,
0.2574

 0.2718, 0.1662,
0.0402

209.6082, 0.2910,

 0.0000, 0.0180,

0.2618

0.0000


254.8836, 0.2925,
0.2656

 0.0000, 0.0000,
0.0000

 30.9374, 0.2703,
0.2128


 30.9374, 0.2703,
0.2128

 24.1263, 0.2568,
0.1825

 39.1974, 0.2827,
0.2432


 18.6714, 0.2425,
0.1538


 48.9838, 0.2938,
0.2726


 14.4748, 0.2281,
0.1282


 60.3727, 0.3034,
0.3003


 11.4233, 0.2143,
0.1073

 73.4342, 0.3117,
0.3258

 9.3817, 0.2016,
0.0921

 88.2340, 0.3187,
0.3489

 8.2365, 0.1920,
0.0831

 96.9252, 0.3259,
0.3585

 98.2173, 0.3303,
0.3581

Harmonies

Analogous

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



30.9374, 0.2070, 0.2013



30.9374, 0.2703, 0.2128



30.9374, 0.3562, 0.2469

Triad

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



30.9374, 0.2703, 0.2128



30.9374, 0.4684, 0.4191



30.9374, 0.1971, 0.3460

Complementary

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



30.9374, 0.2703, 0.2128



65.5994, 0.3420, 0.4431

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.



30.9374, 0.2566, 0.4384



30.9374, 0.2703, 0.2128



30.9374, 0.4134, 0.4715

Square

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



30.9374, 0.2703, 0.2128



30.9374, 0.4808, 0.3575



30.9374, 0.3359, 0.4872



30.9374, 0.1695, 0.2640

Rectangle

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



30.9374, 0.2703, 0.2128



30.9374, 0.4137, 0.2795



30.9374, 0.3359, 0.4872



30.9374, 0.2136, 0.3781

Sweetspot

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



30.9386, 0.2703, 0.2128



78.9603, 0.3027, 0.2983



44.2779, 0.2473, 0.2733



16.4529, 0.3015, 0.2947



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.



30.9386, 0.2703, 0.2128



32.8482, 0.2582, 0.1855



37.2148, 0.3131, 0.2264



13.5447, 0.3051, 0.3053



4.8126, 0.1936, 0.0840



0.3862, 0.2108, 0.0935

Inverse Universe

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



35.9354, 0.3598, 0.2701



40.6203, 0.3748, 0.2580



60.8167, 0.3096, 0.4553



13.8258, 0.3207, 0.3162



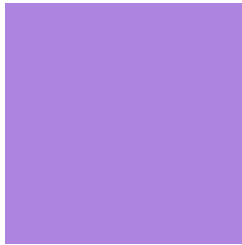
10.0787, 0.4747, 0.2389



0.7166, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 30.9374, 0.2703, 0.2128 looks on a white background.

Color Contrast Check

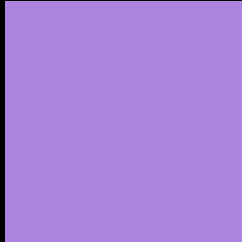
Large Text (above 18pt) WCAG AA × Fail

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 30.9374, 0.2703, 0.2128 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 30.9374, 0.2703, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 30.9374, 0.2703, 0.2128.



This preview shows how white text looks on a background with the Yxy color 30.9374, 0.2703, 0.2128.

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

30.9374, 0.2703, 0.2128

Protanopia

31.1937, 0.2225, 0.2071

Deuteranopia

31.1707, 0.2354, 0.2294



Tritanopia

31.0174, 0.3176, 0.3127

Trichromacy



Original Color

30.9374, 0.2703, 0.2128

Protanomaly

30.6898, 0.2371, 0.2079

Deuteranomaly

30.5816, 0.2467, 0.2219

Tritanomaly

30.8304, 0.2992, 0.2726

Monochromacy



Original Color

30.9374, 0.2703, 0.2128

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8441, 0.2972, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9374, 0.2703, 0.2128 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(174, 132, 225)` looks like.

```
.text, #text, p{  
    color:rgb(174, 132, 225)  
}
```

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(174, 132, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 132, 225) }
```

Border

The CSS property to change the border of an element to Yxy 30.9374, 0.2703, 0.2128 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(174, 132, 225) }
```

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

```
.border{ border-color:rgb(174, 132, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 132, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 132, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 132, 225);  
box-shadow:4px 4px 4px 4px rgb(174, 132,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9374, 0.2703, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 132, 225) }
```

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

```
.background{ background-color: rgb(174,  
132, 225) }
```

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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