

Converting Colors

$Y_{xy}(34.8497, 0.2921, 0.2278)$

Have a look what the booklet for
Yxy(34.8497, 0.2921, 0.2278)
contains.

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Color

Yxy(34.7673, 0.2920, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	C389DE
RGB	195, 137, 222
RGB Percent	76%, 54%, 87%
CMY	0.2352, 0.4628, 0.1293
CMYK	0.12, 0.38, 0.00, 0.13
HSL	281°, 56%, 70%
HSV	281°, 38%, 87%
XYZ	44.6440, 34.7673, 73.4792
YIQ	164.0320, 7.2830, 38.7310

Conversions

Conversions Part 2

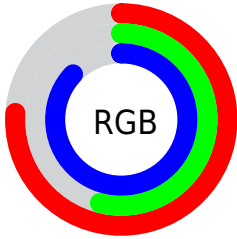
Format	Color
R_{YB}	195, 137, 222
Decimal	12814814
CIE _{Lab}	65.57, 37.09, -34.79
CIE _{LCh}	66, 50.853, 316.825
Yxy	34.7673, 0.2920, 0.2274
Android (android.graphics.Color)	4291004894 (0xFFC389DE)
YUV	164.0320, 28.5782, 27.1589
Hunter-Lab	58.9638, 31.9634, -32.6110

Details

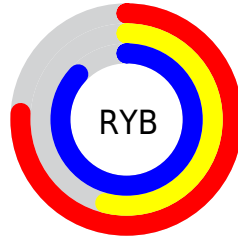
The Yxy color **34.7673, 0.2920, 0.2274** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.9493, 0.3256, 0.4391**, and the grayscale version is **37.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3643, 0.3141, 0.2660**, and **15.0210, 0.2835, 0.2017** is the 20% darker color. If you saturate the color by 10%, you get **28.1768, 0.2846, 0.2003**, and if you desaturate by 10%, it is **42.7036, 0.2986, 0.2551**.

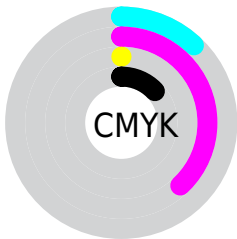
Distribution



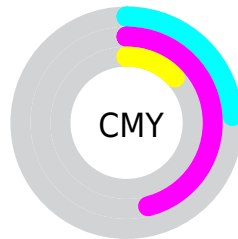
- Red (76%)
- Green (54%)
- Blue (87%)



- Red (76%)
- Yellow (54%)
- Blue (87%)



- Cyan (12%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (24%)
- Magenta (46%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7673, 0.2920, 0.2274 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 34.7673, 0.2920, 0.2274 by changing the saturation by 10% instead.


 34.7673, 0.2920,
0.2274


 34.7673, 0.2920,
0.2274


323.5400, 0.3040,
0.2762


 23.4837, 0.2886,
0.2160

 67.1251, 0.2967,
0.2446

 14.9511, 0.2839,
0.2018


 88.9681, 0.2984,
0.2512

 8.7850, 0.2774,
0.1837


 115.0997, 0.2997,
0.2569

 4.6012, 0.2678,
0.1602

145.9042, 0.3009,
0.2618

 2.0153, 0.2526,
0.1289

181.7661, 0.3018,
0.2661

 0.6163, 0.2271,
0.0837

223.0698, 0.3027,

 0.0000, 0.1643,

0.2698

0.0000

270.1996, 0.3034,
0.2732

0.0000, 0.0000,
0.0000

34.7673, 0.2920,
0.2274

34.7673, 0.2920,
0.2274

28.1768, 0.2846,
0.2003

42.7036, 0.2986,
0.2551

22.8469, 0.2765,
0.1750

52.0553, 0.3044,
0.2823

18.6893, 0.2680,
0.1525


62.8924, 0.3093,
0.3085


15.6022, 0.2593,
0.1342


75.2788, 0.3134,
0.3331

13.4656, 0.2507,
0.1205

89.2746, 0.3167,
0.3558


 12.1051, 0.2426,
0.1116

 94.8533, 0.3207,
0.3623

 11.9075, 0.2412,
0.1102

 96.0924, 0.3252,
0.3618

 97.3796, 0.3298,
0.3613

 98.0550, 0.3321,
0.3611

Harmonies

Analogous

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



34.7673, 0.2272, 0.2114



34.7673, 0.2920, 0.2274



34.7673, 0.3722, 0.2637

Triad

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



34.7673, 0.2920, 0.2274



34.7673, 0.4470, 0.4267



34.7673, 0.1976, 0.3251

Complementary

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



34.7673, 0.2920, 0.2274



61.9493, 0.3256, 0.4391

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.



34.7673, 0.2466, 0.4092



34.7673, 0.2920, 0.2274



34.7673, 0.3906, 0.4672

Square

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



34.7673, 0.2920, 0.2274



34.7673, 0.4679, 0.3709



34.7673, 0.3172, 0.4663



34.7673, 0.1786, 0.2569

Rectangle

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



34.7673, 0.2920, 0.2274



34.7673, 0.4211, 0.2962



34.7673, 0.3172, 0.4663



34.7673, 0.2108, 0.3531

Sweetspot

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



34.7688, 0.2920, 0.2274



81.7412, 0.3080, 0.3013



37.6221, 0.2483, 0.2524



17.0530, 0.3073, 0.2978



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.



34.7688, 0.2920, 0.2274



40.1810, 0.2861, 0.2055



37.9669, 0.3304, 0.2487



13.7061, 0.3087, 0.3055



7.1332, 0.2424, 0.1109



0.5417, 0.2547, 0.1177

Inverse Universe

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



36.0997, 0.3766, 0.2970



42.4434, 0.3971, 0.2905



59.8104, 0.2992, 0.4256



13.7719, 0.3242, 0.3216



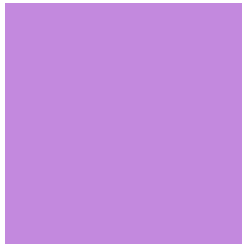
9.5083, 0.5691, 0.2909



0.6750, 0.5253, 0.2667

Previews

White Background



This preview shows how the Yxy color 34.7673, 0.2920, 0.2274 looks on a white background.

Color Contrast Check

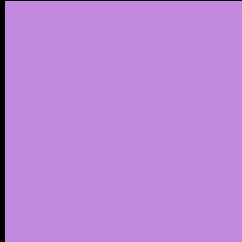
Large Text (above 18pt) WCAG AA × Fail

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 34.7673, 0.2920, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

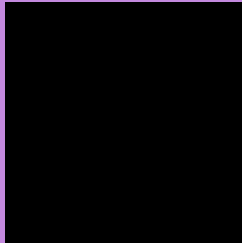
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7673, 0.2920, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 34.7673, 0.2920, 0.2274.



This preview shows how white text looks on a background with the Yxy color 34.7673, 0.2920, 0.2274.

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

34.7673, 0.2920, 0.2274

Protanopia

35.1925, 0.2343, 0.2228

Deuteranopia

34.9267, 0.2526, 0.2460



Tritanopia

34.8250, 0.3390, 0.3141

Trichromacy



Original Color

34.7673, 0.2920, 0.2274



Protanomaly

34.6075, 0.2523, 0.2239



Deuteranomaly

34.5042, 0.2656, 0.2387



Tritanomaly

34.4885, 0.3211, 0.2792

Monochromacy



Original Color

34.7673, 0.2920, 0.2274



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.7279, 0.3051, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7673, 0.2920, 0.2274 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(195, 137, 222)` looks like.

```
.text, #text, p{  
    color:rgb(195, 137, 222)  
}
```

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(195, 137, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 137, 222) }
```

Border

The CSS property to change the border of an element to Yxy 34.7673, 0.2920, 0.2274 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(195, 137, 222) }
```

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

```
.border{ border-color:rgb(195, 137, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 137, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 137, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 137, 222);  
box-shadow:4px 4px 4px 4px rgb(195, 137,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7673, 0.2920, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 137, 222) }
```

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

```
.background{ background-color: rgb(195,  
137, 222) }
```

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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