

Converting Colors

$Y_{xy}(33.8411, 0.2941, 0.2228)$

Have a look what the booklet for
Yxy(33.8411, 0.2941, 0.2228)
contains.

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Color

Yxy(33.7822, 0.2947, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	C684DE
RGB	198, 132, 222
RGB Percent	78%, 52%, 87%
CMY	0.2235, 0.4823, 0.1295
CMYK	0.11, 0.41, 0.00, 0.13
HSL	284°, 58%, 69%
HSV	284°, 41%, 87%
XYZ	44.7242, 33.7822, 73.2555
YIQ	161.9940, 10.4460, 41.9820

Conversions

Conversions Part 2

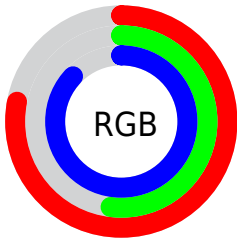
Format	Color
R _Y B	198, 132, 222
Decimal	13010142
CIE Lab	64.79, 40.67, -35.96
CIE LCh	65, 54.286, 318.519
Yxy	33.7822, 0.2947, 0.2226
Android (android.graphics.Color)	4291200222 (0xFFC684DE)
YUV	161.9940, 29.5830, 31.5773
Hunter-Lab	58.1225, 35.6384, -34.0413

Details

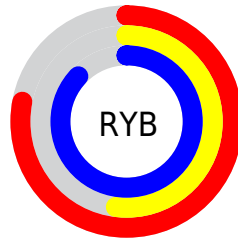
The Yxy color **33.7822, 0.2947, 0.2226** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.9627, 0.3229, 0.4475**, and the grayscale version is **35.9847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **14.4777, 0.2882, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **27.6021, 0.2885, 0.1966**, and if you desaturate by 10%, it is **41.2773, 0.3002, 0.2496**.

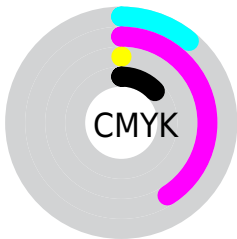
Distribution



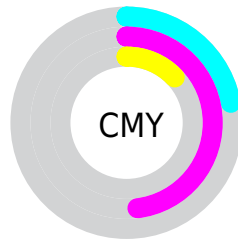
- Red (78%)
- Green (52%)
- Blue (87%)



- Red (78%)
- Yellow (52%)
- Blue (87%)



- Cyan (11%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7822, 0.2947, 0.2226 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 33.7822, 0.2947, 0.2226 by changing the saturation by 10% instead.


 33.7822, 0.2947,
0.2226


 33.7822, 0.2947,
0.2226


319.1598, 0.3055,
0.2736

 22.7263, 0.2915,
0.2107


 65.5948, 0.2990,
0.2405

 14.3916, 0.2871,
0.1960


 87.1204, 0.3005,
0.2474

 8.3935, 0.2809,
0.1773


 112.9046, 0.3018,
0.2534

 4.3478, 0.2716,
0.1531

143.3319, 0.3028,
0.2585

 1.8699, 0.2567,
0.1211

178.7867, 0.3037,
0.2630

 0.5302, 0.2319,
0.0731

219.6533, 0.3044,

 0.0000, 0.1674,

0.2669

0.0000

266.3162, 0.3050,
0.2704

0.0000, 0.0000,
0.0000

33.7822, 0.2947,
0.2226

33.7822, 0.2947,
0.2226

27.6021, 0.2885,
0.1966

41.2773, 0.3002,
0.2496

22.6503, 0.2817,
0.1728

50.1582, 0.3051,
0.2766

18.8366, 0.2746,
0.1522

60.4957, 0.3091,
0.3028

16.0559, 0.2673,
0.1359

72.3543, 0.3126,
0.3277

14.1834, 0.2601,
0.1243

85.7949, 0.3153,
0.3509

■ 13.0432, 0.2536,
0.1171

■ 94.1991, 0.3183,
0.3626

■ 95.2138, 0.3221,
0.3622

■ 96.2623, 0.3259,
0.3618

■ 97.3448, 0.3297,
0.3614

Harmonies

Analogous

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



33.7822, 0.2244, 0.2043



33.7822, 0.2947, 0.2226



33.7822, 0.3813, 0.2619

Triad

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



33.7822, 0.2947, 0.2226



33.7822, 0.4532, 0.4350



33.7822, 0.1877, 0.3191

Complementary

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



33.7822, 0.2947, 0.2226



60.9627, 0.3229, 0.4475

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.



33.7822, 0.2376, 0.4111



33.7822, 0.2947, 0.2226



33.7822, 0.3907, 0.4787

Square

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



33.7822, 0.2947, 0.2226



33.7822, 0.4793, 0.3755



33.7822, 0.3119, 0.4763



33.7822, 0.1699, 0.2479

Rectangle

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



33.7822, 0.2947, 0.2226



33.7822, 0.4333, 0.2965



33.7822, 0.3119, 0.4763



33.7822, 0.2008, 0.3492

Sweetspot

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



33.7836, 0.2947, 0.2226



80.4932, 0.3086, 0.2988



33.9547, 0.2429, 0.2385



16.8140, 0.3080, 0.2954



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.



33.7836, 0.2947, 0.2226



38.6832, 0.2892, 0.1995



36.2462, 0.3377, 0.2503



13.7424, 0.3095, 0.3056



7.8060, 0.2546, 0.1176



0.5840, 0.2652, 0.1235

Inverse Universe

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



34.4292, 0.3873, 0.3006



39.8949, 0.4128, 0.2948



59.4372, 0.2951, 0.4238



13.7602, 0.3250, 0.3228



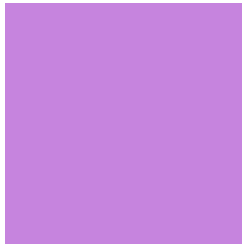
9.4285, 0.5869, 0.3007



0.6682, 0.5427, 0.2764

Previews

White Background



This preview shows how the Yxy color 33.7822, 0.2947, 0.2226 looks on a white background.

Color Contrast Check

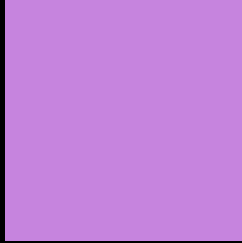
Large Text (above 18pt) WCAG AA × Fail

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 33.7822, 0.2947, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

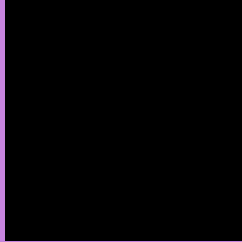
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7822, 0.2947, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 33.7822, 0.2947, 0.2226.



This preview shows how white text looks on a background with the Yxy color 33.7822, 0.2947, 0.2226.

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

33.7822, 0.2947, 0.2226

Protanopia

34.3056, 0.2292, 0.2163

Deuteranopia

34.1900, 0.2502, 0.2451



Tritanopia

33.6835, 0.3460, 0.3141

Trichromacy



Original Color

33.7822, 0.2947, 0.2226



Protanomaly

33.5803, 0.2490, 0.2176



Deuteranomaly

33.4555, 0.2644, 0.2345



Tritanomaly

33.5924, 0.3265, 0.2769

Monochromacy



Original Color

33.7822, 0.2947, 0.2226



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.7079, 0.3061, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7822, 0.2947, 0.2226 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, 132, 222)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 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(198, 132, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 222) }
```

Border

The CSS property to change the border of an element to Yxy 33.7822, 0.2947, 0.2226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

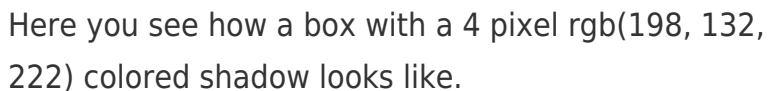
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 132, 222) }
```

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

```
.border{ border-color:rgb(198, 132, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 132, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 132, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 132, 222); box-shadow:4px 4px 4px 4px rgb(198, 132, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7822, 0.2947, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 222) }
```

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

```
.background{ background-color: rgb(198,  
132, 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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