

Converting Colors

$Y_{xy}(36.2285, 0.2361, 0.1640)$

Have a look what the booklet for
Yxy(36.2285, 0.2361, 0.1640)
contains.

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Color

Yxy(33.7898, 0.2570, 0.1895)

Conversions

Conversions Part 1

Format	Color
Hex	B784FF
RGB	183, 132, 255
RGB Percent	72%, 52%, 100%
CMY	0.2824, 0.4823, 0.0001
CMYK	0.28, 0.48, 0.00, 0.00
HSL	265°, 100%, 76%
HSV	265°, 48%, 100%
XYZ	45.8257, 33.7898, 98.6947
YIQ	161.2710, -9.0870, 49.0650

Conversions

Conversions Part 2

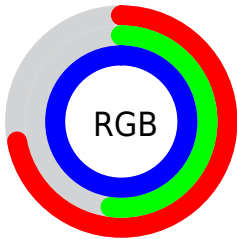
Format	Color
RYB	183, 132, 255
Decimal	12027135
CIELab	64.80, 43.81, -54.25
CIELCh	65, 69.735, 308.921
Yxy	33.7898, 0.2570, 0.1895
Android (android.graphics.Color)	4290217215 (0xFFB784FF)
YUV	161.2710, 46.2084, 19.0563
Hunter-Lab	58.1290, 38.9940, -59.9757

Details

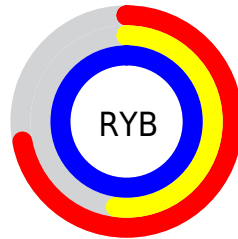
The Yxy color **33.7898, 0.2570, 0.1895** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.0077, 0.3488, 0.4628**, and the grayscale version is **35.5587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0386, 0.3052, 0.2592**, and **14.4741, 0.2394, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **25.9655, 0.2420, 0.1594**, and if you desaturate by 10%, it is **43.5003, 0.2712, 0.2207**.

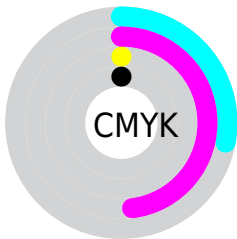
Distribution



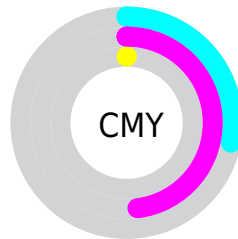
- Red (72%)
- Green (52%)
- Blue (100%)



- Red (72%)
- Yellow (52%)
- Blue (100%)



- Cyan (28%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7898, 0.2570, 0.1895 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 33.7898, 0.2570, 0.1895 by changing the saturation by 10% instead.


 33.7898, 0.2570,
0.1895


 33.7898, 0.2570,
0.1895


319.1938, 0.2870,
0.2539


 22.7322, 0.2492,
0.1753


 65.6067, 0.2682,
0.2115

 14.3959, 0.2392,
0.1583


 87.1347, 0.2723,
0.2202

 8.3965, 0.2260,
0.1376


 112.9216, 0.2758,
0.2277

 4.3497, 0.2081,
0.1123

143.3518, 0.2787,
0.2343

 1.8710, 0.1828,
0.0817

178.8098, 0.2812,
0.2401

 0.5309, 0.1470,
0.0432

219.6798, 0.2834,

 0.0000, 0.0902,

0.2452

0.0000

266.3463, 0.2853,
0.2498

■ 0.0000, 0.0000,
0.0000

■ 33.7898, 0.2570,
0.1895

■ 33.7898, 0.2570,
0.1895

■ 25.9655, 0.2420,
0.1594

■ 43.5003, 0.2712,
0.2207

■ 19.8924, 0.2267,
0.1320

■ 55.2117, 0.2841,
0.2515

■ 15.4226, 0.2119,
0.1091

■ 69.0336, 0.2956,
0.2809

■ 12.3810, 0.1984,
0.0919

■ 85.0665, 0.3056,
0.3083

■ 10.5282, 0.1868,
0.0809

■ 99.9985, 0.3127,
0.3290

■ 10.2659, 0.1850,
0.0793

Harmonies

Analogous

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



33.7898, 0.1835, 0.1762



33.7898, 0.2570, 0.1895



33.7898, 0.3629, 0.2284

Triad

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



33.7898, 0.2570, 0.1895



33.7898, 0.5013, 0.4281



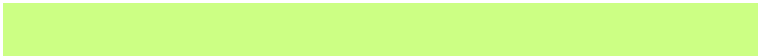
33.7898, 0.1720, 0.3505

Complementary

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



33.7898, 0.2570, 0.1895



86.0077, 0.3488, 0.4628

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.



33.7898, 0.2421, 0.4736



33.7898, 0.2570, 0.1895



33.7898, 0.4312, 0.4987

Square

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



33.7898, 0.2570, 0.1895



33.7898, 0.5207, 0.3548



33.7898, 0.3373, 0.5311



33.7898, 0.1414, 0.2472

Rectangle

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



33.7898, 0.2570, 0.1895



33.7898, 0.4367, 0.2657



33.7898, 0.3373, 0.5311



33.7898, 0.1911, 0.3930

Sweetspot

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



33.7911, 0.2570, 0.1895



75.5495, 0.3000, 0.2927



56.1669, 0.2377, 0.2693



15.4495, 0.2978, 0.2867



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.



33.7911, 0.2570, 0.1895



26.1279, 0.2423, 0.1600



42.7220, 0.3075, 0.2080



17.7456, 0.3044, 0.3049



5.4478, 0.1866, 0.0802



0.5927, 0.1992, 0.0871

Inverse Universe

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



42.1204, 0.3669, 0.2559



35.6767, 0.3833, 0.2433



79.1288, 0.3120, 0.4796



18.1655, 0.3202, 0.3152



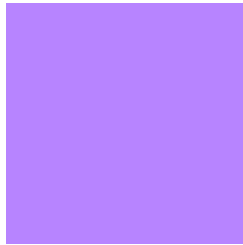
12.2775, 0.4605, 0.2310



1.2172, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 33.7898, 0.2570, 0.1895 looks on a white background.

Color Contrast Check

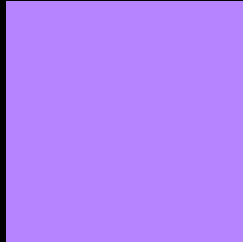
Large Text (above 18pt) WCAG AA × Fail

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 33.7898, 0.2570, 0.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

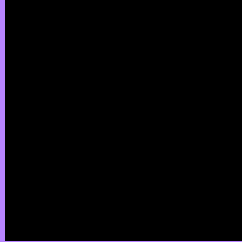
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7898, 0.2570, 0.1895

Background



This preview shows how black text looks on a background with the Yxy color 33.7898, 0.2570, 0.1895.

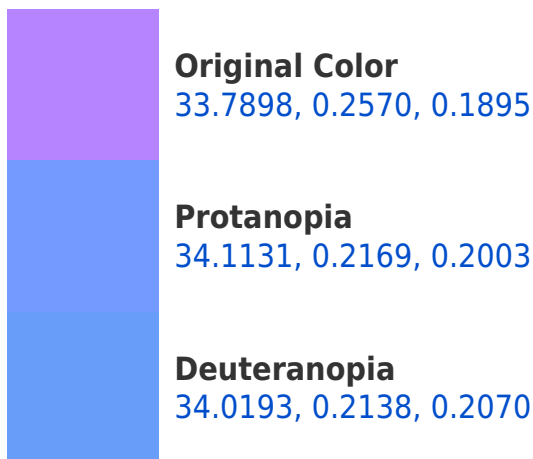


This preview shows how white text looks on a background with the Yxy color 33.7898, 0.2570, 0.1895.

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





Tritanopia

33.6061, 0.3145, 0.3117

Trichromacy



Original Color

33.7898, 0.2570, 0.1895



Protanomaly

33.4405, 0.2289, 0.1947



Deuteranomaly

33.1946, 0.2258, 0.1981



Tritanomaly

33.0987, 0.2910, 0.2580

Monochromacy



Original Color

33.7898, 0.2570, 0.1895



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.1878, 0.2909, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7898, 0.2570, 0.1895 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(183, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 132, 255)  
}
```

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(183, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7898, 0.2570, 0.1895 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(183, 132, 255) }
```

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

```
.border{ border-color:rgb(183, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7898, 0.2570, 0.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 132, 255) }
```

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

```
.background{ background-color: rgb(183,  
132, 255) }
```

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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