

Converting Colors

$Y_{xy}(35.1128, 0.2832, 0.2300)$

Have a look what the booklet for
Yxy(35.1128, 0.2832, 0.2300)
contains.

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Color

Yxy(35.1128, 0.2832, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	BA8EDF
RGB	186, 142, 223
RGB Percent	73%, 56%, 87%
CMY	0.2708, 0.4431, 0.1255
CMYK	0.17, 0.36, 0.00, 0.13
HSL	273°, 56%, 72%
HSV	273°, 36%, 87%
XYZ	43.2345, 35.1128, 74.3170
YIQ	164.3900, 0.2230, 34.5190

Conversions

Conversions Part 2

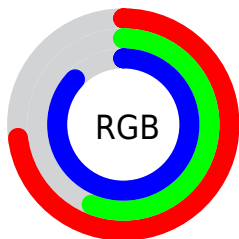
Format	Color
R_{YB}	186, 142, 223
Decimal	12226271
CIE _{Lab}	65.84, 31.79, -34.99
CIE _{LCh}	66, 47.279, 312.253
Yxy	35.1128, 0.2832, 0.2300
Android (android.graphics.Color)	4290416351 (0xFFBA8EDF)
YUV	164.3900, 28.8947, 18.9520
Hunter-Lab	59.2561, 26.5395, -32.8803

Details

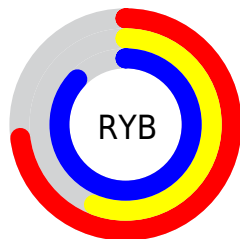
The Yxy color **35.1128, 0.2832, 0.2300** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3268, 0.3334, 0.4300**, and the grayscale version is **37.1791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7545, 0.3065, 0.2696**, and **15.0975, 0.2728, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **27.8954, 0.2724, 0.2008**, and if you desaturate by 10%, it is **43.7519, 0.2929, 0.2591**.

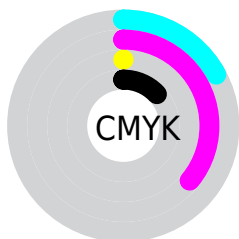
Distribution



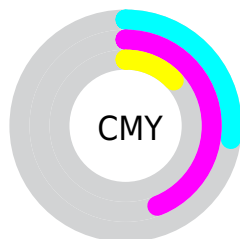
- Red (73%)
- Green (56%)
- Blue (87%)



- Red (73%)
- Yellow (56%)
- Blue (87%)



- Cyan (17%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)





- Cyan (27%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1128, 0.2832, 0.2300 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 35.1128, 0.2832, 0.2300 by changing the saturation by 10% instead.


 35.1128, 0.2832,
0.2300


 35.1128, 0.2832,
0.2300


325.0659, 0.2995,
0.2778


 23.7498, 0.2788,
0.2188


 67.6605, 0.2894,
0.2469

 15.1481, 0.2729,
0.2047


 89.6139, 0.2917,
0.2534

 8.9234, 0.2648,
0.1869


 115.8663, 0.2935,
0.2589

 4.6913, 0.2530,
0.1636

146.8020, 0.2951,
0.2637

 2.0673, 0.2350,
0.1323

182.8054, 0.2964,
0.2679

 0.6461, 0.2056,
0.0875

224.2610, 0.2976,


 0.0000, 0.1274,


0.2716

0.0000


271.5530, 0.2986,
0.2748


 0.0000, 0.0000,
0.0000


 35.1128, 0.2832,
0.2300


 35.1128, 0.2832,
0.2300

 27.8954, 0.2724,
0.2008


 43.7519, 0.2929,
0.2591

 22.0138, 0.2607,
0.1725


 53.8831, 0.3014,
0.2871


 17.3794, 0.2485,
0.1467


 65.5773, 0.3087,
0.3134

 13.8906, 0.2362,
0.1248


 78.8997, 0.3149,
0.3377


 11.4290, 0.2244,
0.1078

 93.9113, 0.3201,
0.3598

 9.8467, 0.2135,
0.0963

 96.6542, 0.3265,
0.3606

 9.3916, 0.2097,
0.0929

 98.1082, 0.3315,
0.3601

Harmonies

Analogous

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



35.1128, 0.2257, 0.2183



35.1128, 0.2832, 0.2300



35.1128, 0.3567, 0.2617

Triad

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



35.1128, 0.2832, 0.2300



35.1128, 0.4437, 0.4140



35.1128, 0.2106, 0.3376

Complementary

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



35.1128, 0.2832, 0.2300



64.3268, 0.3334, 0.4300

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.



35.1128, 0.2608, 0.4134



35.1128, 0.2832, 0.2300



35.1128, 0.3957, 0.4539

Square

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



35.1128, 0.2832, 0.2300



35.1128, 0.4560, 0.3612



35.1128, 0.3286, 0.4589



35.1128, 0.1879, 0.2704

Rectangle

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



35.1128, 0.2832, 0.2300



35.1128, 0.4038, 0.2914



35.1128, 0.3286, 0.4589



35.1128, 0.2245, 0.3637

Sweetspot

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



35.1142, 0.2832, 0.2300



81.0375, 0.3053, 0.3011



43.6492, 0.2540, 0.2719



16.8850, 0.3043, 0.2975



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.



35.1142, 0.2832, 0.2300



39.5951, 0.2746, 0.2065



40.2257, 0.3193, 0.2420



13.6077, 0.3065, 0.3054



5.5896, 0.2112, 0.0937



0.4405, 0.2272, 0.1025

Inverse Universe

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



38.2997, 0.3599, 0.2856



44.7460, 0.3750, 0.2761



60.5689, 0.3060, 0.4347



13.8043, 0.3221, 0.3183



9.8109, 0.5131, 0.2600



0.6979, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 35.1128, 0.2832, 0.2300 looks on a white background.

Color Contrast Check

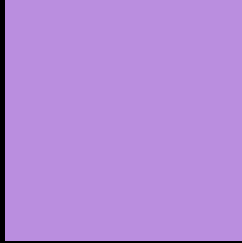
Large Text (above 18pt) WCAG AA × Fail

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 35.1128, 0.2832, 0.2300 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 35.1128, 0.2832, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 35.1128, 0.2832, 0.2300.



This preview shows how white text looks on a background with the Yxy color 35.1128, 0.2832, 0.2300.

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

35.1128, 0.2832, 0.2300

Protanopia

35.5202, 0.2374, 0.2276

Deuteranopia

35.2837, 0.2508, 0.2450



Tritanopia

35.2115, 0.3244, 0.3124

Trichromacy



Original Color

35.1128, 0.2832, 0.2300



Protanomaly

34.9983, 0.2517, 0.2271



Deuteranomaly

34.8450, 0.2613, 0.2384



Tritanomaly

35.1038, 0.3082, 0.2796

Monochromacy



Original Color

35.1128, 0.2832, 0.2300



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

36.0504, 0.3023, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1128, 0.2832, 0.2300 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(186, 142, 223)` looks like.

```
.text, #text, p{  
    color:rgb(186, 142, 223)  
}
```

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(186, 142, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 142, 223) }
```

Border

The CSS property to change the border of an element to Yxy 35.1128, 0.2832, 0.2300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

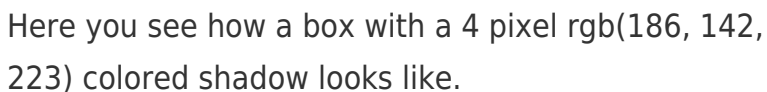
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 142, 223) }
```

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

```
.border{ border-color:rgb(186, 142, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 142, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 142, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 142, 223); box-shadow:4px 4px 4px 4px rgb(186, 142, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1128, 0.2832, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 142, 223) }
```

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

```
.background{ background-color: rgb(186,  
142, 223) }
```

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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