

Converting Colors

$Y_{xy}(33.5201, 0.2864, 0.2254)$

Have a look what the booklet for
Yxy(33.5201, 0.2864, 0.2254)
contains.

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Color

Yxy(33.5201, 0.2864, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	BC88DD
RGB	188, 136, 221
RGB Percent	74%, 53%, 87%
CMY	0.2627, 0.4666, 0.1335
CMYK	0.15, 0.38, 0.00, 0.13
HSL	277°, 56%, 70%
HSV	277°, 38%, 87%
XYZ	42.5916, 33.5201, 72.6021
YIQ	161.2380, 3.7070, 37.4590

Conversions

Conversions Part 2

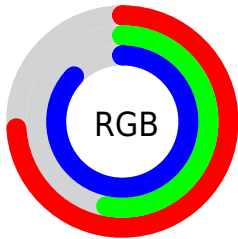
Format	Color
RYB	188, 136, 221
Decimal	12355805
CIELab	64.58, 35.29, -35.80
CIELCh	65, 50.267, 314.593
Yxy	33.5201, 0.2864, 0.2254
Android (android.graphics.Color)	4290545885 (0xFFBC88DD)
YUV	161.2380, 29.4627, 23.4703
Hunter-Lab	57.8965, 29.9947, -33.8219

Details

The Yxy color **33.5201, 0.2864, 0.2254** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.8985, 0.3300, 0.4380**, and the grayscale version is **35.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4594, 0.3082, 0.2638**, and **14.2367, 0.2757, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **26.8694, 0.2772, 0.1973**, and if you desaturate by 10%, it is **41.5210, 0.2947, 0.2538**.

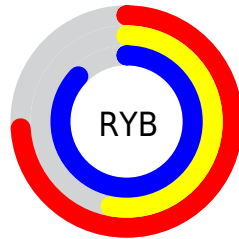
Distribution



Red (74%)

Green (53%)

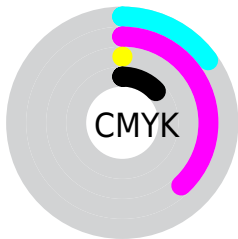
Blue (87%)



Red (74%)

Yellow (53%)

Blue (87%)

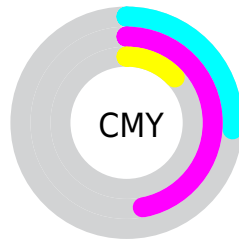


Cyan (15%)

Magenta (38%)

Yellow (0%)

Black (13%)



Cyan (26%)


Magenta (47%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5201, 0.2864, 0.2254 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 33.5201, 0.2864, 0.2254 by changing the saturation by 10% instead.


 33.5201, 0.2864,
0.2254


 33.5201, 0.2864,
0.2254


317.9869, 0.3013,
0.2754

 22.5252, 0.2822,
0.2136


 65.1867, 0.2922,
0.2431

 14.2433, 0.2766,
0.1990


 86.6271, 0.2942,
0.2499

 8.2901, 0.2688,
0.1803


 112.3182, 0.2960,
0.2557

 4.2811, 0.2573,
0.1560

142.6443, 0.2974,
0.2607

 1.8320, 0.2394,
0.1236

177.9898, 0.2986,
0.2651

 0.5070, 0.2105,
0.0736

218.7392, 0.2996,

 0.0000, 0.1194,

0.2689

0.0000

265.2767, 0.3005,
0.2724

■ 0.0000, 0.0000,
0.0000

■ 33.5201, 0.2864,
0.2254

■ 33.5201, 0.2864,
0.2254

■ 26.8694, 0.2772,
0.1973

■ 41.5210, 0.2947,
0.2538

■ 21.4844, 0.2672,
0.1707

■ 50.9417, 0.3020,
0.2816

■ 17.2769, 0.2567,
0.1469


■ 61.8517, 0.3082,
0.3080


■ 14.1456, 0.2461,
0.1272


■ 74.3150, 0.3135,
0.3327

■ 11.9711, 0.2359,
0.1125

■ 88.3914, 0.3179,
0.3554

 10.5771, 0.2263,
0.1026

 95.1635, 0.3227,
0.3632

 10.3912, 0.2249,
0.1012

 96.6942, 0.3282,
0.3626

 97.9982, 0.3328,
0.3622

Harmonies

Analogous

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



33.5201, 0.2234, 0.2111



33.5201, 0.2864, 0.2254



33.5201, 0.3662, 0.2604

Triad

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



33.5201, 0.2864, 0.2254



33.5201, 0.4500, 0.4228



33.5201, 0.2002, 0.3312

Complementary

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



33.5201, 0.2864, 0.2254



61.8985, 0.3300, 0.4380

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.



33.5201, 0.2513, 0.4150



33.5201, 0.2864, 0.2254



33.5201, 0.3956, 0.4653

Square

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



33.5201, 0.2864, 0.2254



33.5201, 0.4677, 0.3666



33.5201, 0.3229, 0.4685



33.5201, 0.1789, 0.2609

Rectangle

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



33.5201, 0.2864, 0.2254



33.5201, 0.4163, 0.2923



33.5201, 0.3229, 0.4685



33.5201, 0.2141, 0.3595

Sweetspot

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



33.5215, 0.2864, 0.2254



79.8249, 0.3060, 0.2986



39.1979, 0.2493, 0.2600



16.6563, 0.3052, 0.2951



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.



33.5215, 0.2864, 0.2254



38.9406, 0.2791, 0.2031



37.7528, 0.3251, 0.2427



13.0097, 0.3076, 0.3055



6.1061, 0.2263, 0.1020



0.4447, 0.2416, 0.1105

Inverse Universe

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



35.8387, 0.3702, 0.2899



42.7779, 0.3880, 0.2820



58.9547, 0.3024, 0.4340



13.1347, 0.3231, 0.3200



9.3381, 0.5416, 0.2757



0.6215, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 33.5201, 0.2864, 0.2254 looks on a white background.

Color Contrast Check

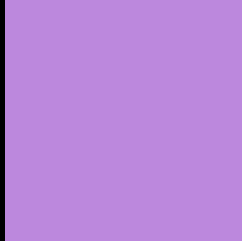
Large Text (above 18pt) WCAG AA × Fail

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 33.5201, 0.2864, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

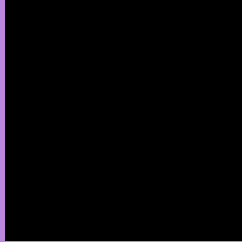
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5201, 0.2864, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 33.5201, 0.2864, 0.2254.



This preview shows how white text looks on a background with the Yxy color 33.5201, 0.2864, 0.2254.

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

33.5201, 0.2864, 0.2254

Protanopia

33.8345, 0.2328, 0.2203

Deuteranopia

33.7708, 0.2492, 0.2435



Tritanopia

33.4979, 0.3319, 0.3136

Trichromacy



Original Color

33.5201, 0.2864, 0.2254

Protanomaly

33.1210, 0.2486, 0.2200

Deuteranomaly

33.3097, 0.2620, 0.2361

Tritanomaly

33.2690, 0.3151, 0.2780

Monochromacy



Original Color

33.5201, 0.2864, 0.2254

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5333, 0.3031, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5201, 0.2864, 0.2254 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(188, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(188, 136, 221)  
}
```

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(188, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 136, 221) }
```

Border

The CSS property to change the border of an element to Yxy 33.5201, 0.2864, 0.2254 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(188, 136, 221) }
```

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

```
.border{ border-color:rgb(188, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(188, 136,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5201, 0.2864, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 136, 221) }
```

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

```
.background{ background-color: rgb(188,  
136, 221) }
```

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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