

Converting Colors

$Yxy(33.5514, 0.2919, 0.2328)$

Have a look what the booklet for
Yxy(33.5514, 0.2919, 0.2328)
contains.

| | |
|---|----|
| Yxy(33.6164, 0.2923, 0.2329) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.6164, 0.2923, 0.2329)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BD89D7 |
| RGB | 189, 137, 215 |
| RGB Percent | 74%, 54%, 84% |
| CMY | 0.2589, 0.4627, 0.1570 |
| CMYK | 0.12, 0.36, 0.00, 0.16 |
| HSL | 280°, 49%, 69% |
| HSV | 280°, 36%, 84% |
| XYZ | 42.1901, 33.6164, 68.5318 |
| YIQ | 161.4400, 5.9540, 35.2820 |

Conversions

Conversions Part 2

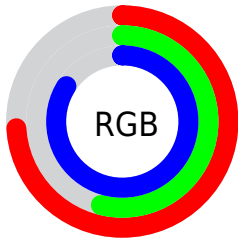
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 189, 137, 215 |
| Decimal | 12421591 |
| CIE _{Lab} | 64.66, 33.75, -32.33 |
| CIE _{LCh} | 65, 46.742, 316.229 |
| Yxy | 33.6164, 0.2923, 0.2329 |
| Android (android.graphics.Color) | 4290611671 (0xFFBD89D7) |
| YUV | 161.4400, 26.4051, 24.1701 |
| Hunter-Lab | 57.9797, 28.4248, -29.4949 |

Details

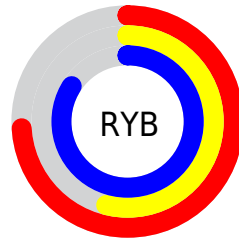
The Yxy color **33.6164, 0.2923, 0.2329** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **58.1777, 0.3261, 0.4320**, and the grayscale version is **35.7290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0744, 0.3089, 0.2650**, and **14.2620, 0.2837, 0.2074** is the 20% darker color. If you saturate the color by 10%, you get **27.2081, 0.2847, 0.2054**, and if you desaturate by 10%, it is **41.2903, 0.2991, 0.2607**.

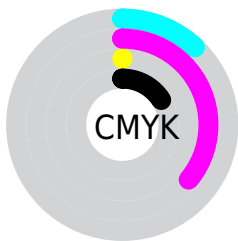
Distribution



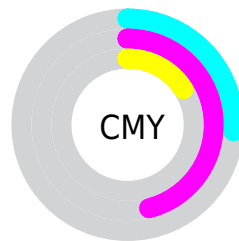
- Red (74%)
- Green (54%)
- Blue (84%)



- Red (74%)
- Yellow (54%)
- Blue (84%)



- Cyan (12%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)




- Cyan (26%)
- Magenta (46%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6164, 0.2923, 0.2329 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 33.6164, 0.2923, 0.2329 by changing the saturation by 10% instead.

 33.6164, 0.2923,
0.2329


 33.6164, 0.2923,
0.2329


318.4182, 0.3041,
0.2796


 22.5991, 0.2889,
0.2218


 65.3367, 0.2969,
0.2495

 14.2977, 0.2844,
0.2078


 86.8084, 0.2986,
0.2559

 8.3280, 0.2779,
0.1900


 112.5338, 0.2999,
0.2613

 4.3056, 0.2683,
0.1664

142.8971, 0.3010,
0.2660

 1.8459, 0.2528,
0.1344

178.2828, 0.3020,
0.2700

 0.5156, 0.2273,
0.0832

219.0753, 0.3028,


 0.0000, 0.1285,

0.2736


0.0000

265.6590, 0.3035,
0.2768

 0.0000, 0.0000,
0.0000


 33.6164, 0.2923,
0.2329


 33.6164, 0.2923,
0.2329


 27.2081, 0.2847,
0.2054


 41.2903, 0.2991,
0.2607

 21.9878, 0.2763,
0.1794

 50.2930, 0.3050,
0.2878

 17.8760, 0.2674,
0.1559


 60.6882, 0.3100,
0.3136

 14.7810, 0.2583,
0.1363


 72.5344, 0.3142,
0.3378

 12.5964, 0.2493,
0.1213


 85.8868, 0.3176,
0.3601


 11.1882, 0.2407,
0.1113

 93.5771, 0.3214,
0.3700

 10.7710, 0.2376,
0.1082

 94.8009, 0.3260,
0.3694

 96.0742, 0.3307,
0.3688

 97.3975, 0.3354,
0.3682

Harmonies

Analogous

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



33.6164, 0.2317, 0.2183



33.6164, 0.2923, 0.2329



33.6164, 0.3667, 0.2670

Triad

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



33.6164, 0.2923, 0.2329



33.6164, 0.4394, 0.4206



33.6164, 0.2056, 0.3275

Complementary

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



33.6164, 0.2923, 0.2329



58.1777, 0.3261, 0.4320

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.



33.6164, 0.2526, 0.4045



33.6164, 0.2923, 0.2329



33.6164, 0.3877, 0.4575

Square

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



33.6164, 0.2923, 0.2329



33.6164, 0.4573, 0.3685



33.6164, 0.3192, 0.4562



33.6164, 0.1867, 0.2632

Rectangle

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



33.6164, 0.2923, 0.2329



33.6164, 0.4123, 0.2977



33.6164, 0.3192, 0.4562



33.6164, 0.2184, 0.3533

Sweetspot

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



33.6178, 0.2923, 0.2329



81.6601, 0.3077, 0.3013



36.8835, 0.2524, 0.2592



17.0336, 0.3070, 0.2977



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.



33.6178, 0.2923, 0.2329



41.6478, 0.2861, 0.2104



36.6639, 0.3280, 0.2517



12.4157, 0.3085, 0.3056



6.5046, 0.2388, 0.1089



0.4367, 0.2532, 0.1169

Inverse Universe

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



34.9835, 0.3703, 0.2973



44.1486, 0.3898, 0.2902



56.0646, 0.3006, 0.4212



12.4884, 0.3239, 0.3213



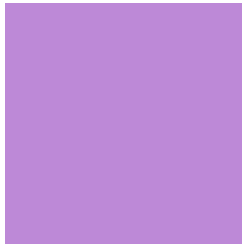
8.9361, 0.5626, 0.2873



0.5541, 0.5137, 0.2603

Previews

White Background



This preview shows how the Yxy color 33.6164, 0.2923, 0.2329 looks on a white background.

Color Contrast Check

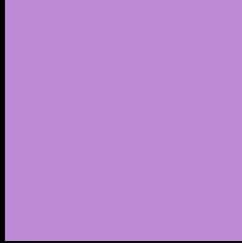
Large Text (above 18pt) WCAG AA × Fail

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 33.6164, 0.2923, 0.2329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

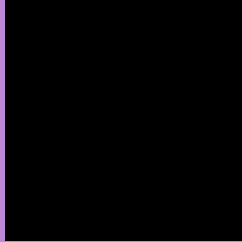
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6164, 0.2923, 0.2329

Background



This preview shows how black text looks on a background with the Yxy color 33.6164, 0.2923, 0.2329.



This preview shows how white text looks on a background with the Yxy color 33.6164, 0.2923, 0.2329.

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

33.6164, 0.2923, 0.2329

Protanopia

34.0864, 0.2394, 0.2296

Deuteranopia

33.8966, 0.2568, 0.2513



Tritanopia

33.5416, 0.3352, 0.3124

Trichromacy



Original Color

33.6164, 0.2923, 0.2329

Protanomaly

33.3339, 0.2555, 0.2291

Deuteranomaly

33.3042, 0.2687, 0.2434

Tritanomaly

33.4322, 0.3190, 0.2808

Monochromacy



Original Color

33.6164, 0.2923, 0.2329

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.4506, 0.3049, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6164, 0.2923, 0.2329 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(189, 137, 215)` looks like.

```
.text, #text, p{  
    color:rgb(189, 137, 215)  
}
```

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(189, 137, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 137, 215) }
```

Border

The CSS property to change the border of an element to Yxy 33.6164, 0.2923, 0.2329 is called "border". The border property can be set on classes, ids or directly on the HTML element.

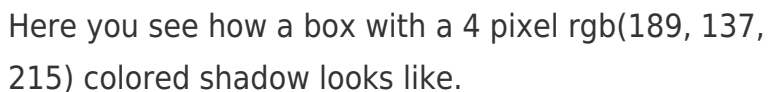
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 137, 215) }
```

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

```
.border{ border-color:rgb(189, 137, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 137, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 137, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 137, 215);  
box-shadow:4px 4px 4px 4px rgb(189, 137,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6164, 0.2923, 0.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 137, 215) }
```

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

```
.background{ background-color: rgb(189,  
137, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor