

Converting Colors

$Y_{xy}(33.7178, 0.2925, 0.2513)$

Have a look what the booklet for
Yxy(33.7178, 0.2925, 0.2513)
contains.

| | |
|---|----|
| Yxy(33.8420, 0.2933, 0.2523) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.8420, 0.2933, 0.2523)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B390CB |
| RGB | 179, 144, 203 |
| RGB Percent | 70%, 56%, 80% |
| CMY | 0.2980, 0.4353, 0.2040 |
| CMYK | 0.12, 0.29, 0.00, 0.20 |
| HSL | 276°, 36%, 68% |
| HSV | 276°, 29%, 80% |
| XYZ | 39.3415, 33.8420, 60.9505 |
| YIQ | 161.1910, 1.9210, 25.7690 |

Conversions

Conversions Part 2

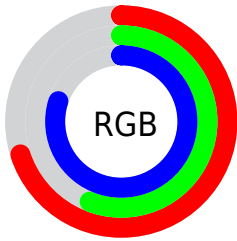
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 179, 144, 203 |
| Decimal | 11768011 |
| CIE _{Lab} | 64.84, 24.19, -25.46 |
| CIE _{LCh} | 65, 35.117, 313.542 |
| Yxy | 33.8420, 0.2933, 0.2523 |
| Android (android.graphics.Color) | 4289958091 (0xFFB390CB) |
| YUV | 161.1910, 20.6118, 15.6185 |
| Hunter-Lab | 58.1739, 18.9107, -21.3982 |

Details

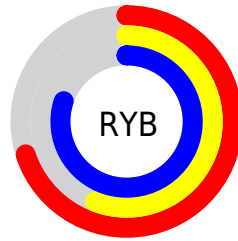
The Yxy color $33.8420, 0.2933, 0.2523$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $53.0443, 0.3273, 0.4081$, and the grayscale version is $35.6363, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.2703, 0.3007, 0.2707$, and $14.4342, 0.2864, 0.2304$ is the 20% darker color. If you saturate the color by 10%, you get $27.2826, 0.2846, 0.2238$, and if you desaturate by 10%, it is $41.5687, 0.3010, 0.2801$.

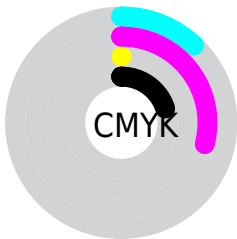
Distribution



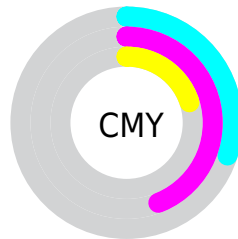
- Red (70%)
- Green (56%)
- Blue (80%)



- Red (70%)
- Yellow (56%)
- Blue (80%)



- Cyan (12%)
- Magenta (29%)
- Yellow (0%)
- Black (20%)





- Cyan (30%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8420, 0.2933, 0.2523 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 33.8420, 0.2933, 0.2523 by changing the saturation by 10% instead.


 33.8420, 0.2933,
0.2523


 33.8420, 0.2933,
0.2523


319.4270, 0.3041,
0.2904

 22.7722, 0.2903,
0.2429


 65.6879, 0.2975,
0.2660

 14.4254, 0.2862,
0.2311


 87.2328, 0.2990,
0.2712

 8.4171, 0.2804,
0.2155


113.0383, 0.3002,
0.2756

 4.3630, 0.2718,
0.1943

143.4886, 0.3013,
0.2794

 1.8786, 0.2577,
0.1642

178.9683, 0.3021,
0.2827

 0.5355, 0.2343,
0.1113

219.8616, 0.3029,

 0.0000, 0.0388,

0.2856

0.0000

266.5530, 0.3036,
0.2881

■ 0.0000, 0.0000,
0.0000

■ 33.8420, 0.2933,
0.2523

■ 33.8420, 0.2933,
0.2523

■ 27.2826, 0.2846,
0.2238

■ 41.5687, 0.3010,
0.2801

■ 21.8259, 0.2748,
0.1956

■ 50.5141, 0.3076,
0.3066

■ 17.4074, 0.2644,
0.1689

■ 60.7320, 0.3132,
0.3312

■ 13.9542, 0.2535,
0.1450

■ 72.2713, 0.3179,
0.3539

■ 11.3832, 0.2425,
0.1251

■ 85.1786, 0.3218,
0.3745

9.5968, 0.2319,
0.1102

92.4127, 0.3262,
0.3830

8.4328, 0.2220,
0.1001

93.7997, 0.3315,
0.3821

8.3351, 0.2211,
0.0992

95.2520, 0.3370,
0.3812

96.7706, 0.3425,
0.3802

Harmonies

Analogous

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



33.8420, 0.2474, 0.2427



33.8420, 0.2933, 0.2523



33.8420, 0.3489, 0.2783

Triad

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



33.8420, 0.2933, 0.2523



33.8420, 0.4122, 0.3985



33.8420, 0.2332, 0.3344

Complementary

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



33.8420, 0.2933, 0.2523



53.0443, 0.3273, 0.4081

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.



33.8420, 0.2724, 0.3887



33.8420, 0.2933, 0.2523



33.8420, 0.3759, 0.4249

Square

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



33.8420, 0.2933, 0.2523



33.8420, 0.4211, 0.3586



33.8420, 0.3245, 0.4236



33.8420, 0.2152, 0.2843

Rectangle

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



33.8420, 0.2933, 0.2523



33.8420, 0.3833, 0.3025



33.8420, 0.3245, 0.4236



33.8420, 0.2442, 0.3531

Sweetspot

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



33.8434, 0.2933, 0.2523



84.4938, 0.3076, 0.3064



38.4619, 0.2659, 0.2810



17.5846, 0.3066, 0.3026



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.



33.8434, 0.2933, 0.2523



49.4153, 0.2878, 0.2341



36.7240, 0.3206, 0.2628



11.1674, 0.3074, 0.3057



5.3595, 0.2224, 0.0999



0.3201, 0.2415, 0.1104

Inverse Universe

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



35.4704, 0.3506, 0.2985



52.7082, 0.3622, 0.2915



50.8035, 0.3055, 0.4056



11.2880, 0.3227, 0.3196



8.4902, 0.5331, 0.2711



0.4529, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 33.8420, 0.2933, 0.2523 looks on a white background.

Color Contrast Check

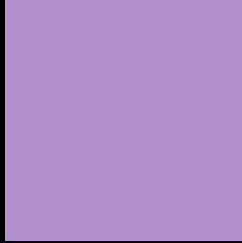
Large Text (above 18pt) WCAG AA × Fail

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 33.8420, 0.2933, 0.2523 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 33.8420, 0.2933, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 33.8420, 0.2933, 0.2523.



This preview shows how white text looks on a background with the Yxy color 33.8420, 0.2933, 0.2523.

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

33.8420, 0.2933, 0.2523

Protanopia

33.9469, 0.2561, 0.2501

Deuteranopia

34.1438, 0.2701, 0.2647



Tritanopia

33.9851, 0.3235, 0.3135

Trichromacy



Original Color

33.8420, 0.2933, 0.2523

Protanomaly

33.7052, 0.2679, 0.2502

Deuteranomaly

33.9746, 0.2782, 0.2595

Tritanomaly

33.8232, 0.3116, 0.2891

Monochromacy



Original Color

33.8420, 0.2933, 0.2523

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.9021, 0.3064, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8420, 0.2933, 0.2523 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(179, 144, 203)` looks like.

```
.text, #text, p{  
    color:rgb(179, 144, 203)  
}
```

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(179, 144, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 144, 203) }
```

Border

The CSS property to change the border of an element to Yxy 33.8420, 0.2933, 0.2523 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(179, 144, 203) }
```

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

```
.border{ border-color:rgb(179, 144, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 144, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 144, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 144, 203);  
box-shadow:4px 4px 4px 4px rgb(179, 144,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8420, 0.2933, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 144, 203) }
```

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

```
.background{ background-color: rgb(179,  
144, 203) }
```

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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