

Converting Colors

$Yxy(33.7475, 0.3334, 0.2755)$

Have a look what the booklet for
Yxy(33.7475, 0.3334, 0.2755)
contains.

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Color

Yxy(33.8072, 0.3329, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	C68BB5
RGB	198, 139, 181
RGB Percent	78%, 55%, 71%
CMY	0.2234, 0.4549, 0.2902
CMYK	0.00, 0.30, 0.09, 0.22
HSL	317°, 34%, 66%
HSV	317°, 30%, 78%
XYZ	40.8657, 33.8072, 48.0838
YIQ	161.4290, 21.6820, 25.5700

Conversions

Conversions Part 2

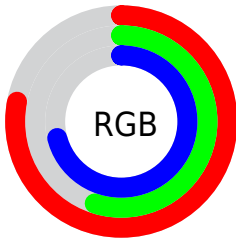
Format	Color
R _Y B	198, 139, 181
Decimal	13011893
CIE _{Lab}	64.81, 29.06, -12.98
CIE _{LCh}	65, 31.828, 335.938
Yxy	33.8072, 0.3329, 0.2754
Android (android.graphics.Color)	4291201973 (0xFFC68BB5)
YUV	161.4290, 9.6485, 32.0728
Hunter-Lab	58.1440, 23.7044, -8.3308

Details

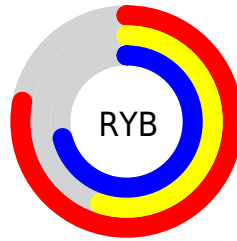
The Yxy color **33.8072, 0.3329, 0.2754** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.2888, 0.2972, 0.3895**, and the grayscale version is **35.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5144, 0.3288, 0.2850**, and **14.3776, 0.3384, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **28.3547, 0.3419, 0.2572**, and if you desaturate by 10%, it is **40.3109, 0.3251, 0.2938**.

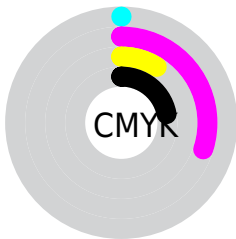
Distribution



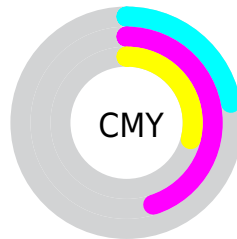
- Red (78%)
- Green (55%)
- Blue (71%)



- Red (78%)
- Yellow (55%)
- Blue (71%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (22%)




- Cyan (22%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8072, 0.3329, 0.2754 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 33.8072, 0.3329, 0.2754 by changing the saturation by 10% instead.

 33.8072, 0.3329,
0.2754


 33.8072, 0.3329,
0.2754


319.2715, 0.3228,
0.3024


 22.7455, 0.3354,
0.2686


 65.6337, 0.3293,
0.2853

 14.4057, 0.3386,
0.2599


 87.1674, 0.3279,
0.2889

 8.4034, 0.3428,
0.2482


 112.9605, 0.3267,
0.2921

 4.3541, 0.3486,
0.2319

143.3974, 0.3257,
0.2947

 1.8736, 0.3572,
0.2075

178.8626, 0.3249,
0.2970

 0.5324, 0.3753,
0.1569

219.7404, 0.3241,

 0.0000, 0.3670,

0.2991

0.0000

266.4153, 0.3234,
0.3008

0.0000, 0.0000,
0.0000

33.8072, 0.3329,
0.2754

33.8072, 0.3329,
0.2754

28.3547, 0.3419,
0.2572

40.3109, 0.3251,
0.2938

23.8927, 0.3519,
0.2402

47.9134, 0.3183,
0.3119

20.3612, 0.3629,
0.2251

56.6646, 0.3126,
0.3293

17.6918, 0.3747,
0.2132

66.6102, 0.3078,
0.3457

15.8065, 0.3868,
0.2055

77.7933, 0.3037,
0.3610

■ 14.6134, 0.3988,
0.2024

■ 88.4493, 0.3003,
0.3723

■ 13.9404, 0.4106,
0.2036

■ 88.7487, 0.2972,
0.3659

■ 13.9289, 0.4108,
0.2037

■ 89.0584, 0.2942,
0.3595

■ 89.3786, 0.2911,
0.3532

Harmonies

Analogous

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



33.8072, 0.2834, 0.2549



33.8072, 0.3329, 0.2754



33.8072, 0.3800, 0.3079

Triad

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



33.8072, 0.3329, 0.2754



33.8072, 0.3807, 0.4122



33.8072, 0.2258, 0.2991

Complementary

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



33.8072, 0.3329, 0.2754



48.2888, 0.2972, 0.3895

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.



33.8072, 0.2478, 0.3470



33.8072, 0.3329, 0.2754



33.8072, 0.3364, 0.4175

Square

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



33.8072, 0.3329, 0.2754



33.8072, 0.4079, 0.3846



33.8072, 0.2877, 0.3931



33.8072, 0.2250, 0.2652

Rectangle

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



33.8072, 0.3329, 0.2754



33.8072, 0.4017, 0.3335



33.8072, 0.2877, 0.3931



33.8072, 0.2308, 0.3141

Sweetspot

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



33.8087, 0.3329, 0.2754



85.8022, 0.3179, 0.3131



29.5821, 0.2755, 0.2464



17.9085, 0.3188, 0.3105



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.



33.8087, 0.3329, 0.2754



53.1556, 0.3388, 0.2631



32.7327, 0.3642, 0.3122



10.7624, 0.3181, 0.3127



9.0713, 0.4093, 0.2028



0.4416, 0.3868, 0.1904

Inverse Universe

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



33.8087, 0.3329, 0.2754



53.1556, 0.3388, 0.2631



49.4003, 0.2781, 0.3467



10.7624, 0.3181, 0.3127



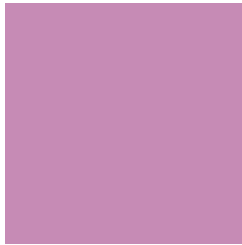
9.0713, 0.4093, 0.2028



0.4416, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 33.8072, 0.3329, 0.2754 looks on a white background.

Color Contrast Check

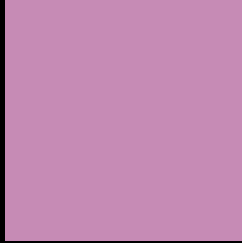
Large Text (above 18pt) WCAG AA × Fail

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 33.8072, 0.3329, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

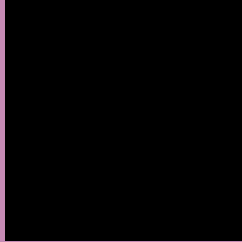
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8072, 0.3329, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 33.8072, 0.3329, 0.2754.



This preview shows how white text looks on a background with the Yxy color 33.8072, 0.3329, 0.2754.

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

33.8072, 0.3329, 0.2754

Protanopia

33.9723, 0.2761, 0.2775

Deuteranopia

33.7833, 0.2999, 0.2934



Tritanopia

33.9152, 0.3560, 0.3145

Trichromacy



Original Color

33.8072, 0.3329, 0.2754

Protanomaly

33.6590, 0.2950, 0.2764

Deuteranomaly

33.6646, 0.3117, 0.2865

Tritanomaly

33.7621, 0.3480, 0.3002

Monochromacy



Original Color

33.8072, 0.3329, 0.2754

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.6083, 0.3197, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8072, 0.3329, 0.2754 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(198, 139, 181)` looks like.

```
.text, #text, p{  
    color:rgb(198, 139, 181)  
}
```

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(198, 139, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 139, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.8072, 0.3329, 0.2754 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(198, 139, 181) }
```

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

```
.border{ border-color:rgb(198, 139, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 139, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 139, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 139, 181);  
box-shadow:4px 4px 4px 4px rgb(198, 139,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8072, 0.3329, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 139, 181) }
```

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

```
.background{ background-color: rgb(198,  
139, 181) }
```

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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