

Converting Colors

$Y_{xy}(33.1295, 0.33336, 0.2737)$

Have a look what the booklet for
Yxy(33.1295, 0.3336, 0.2737)
contains.

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Color

Yxy(33.1924, 0.3342, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	C689B4
RGB	198, 137, 180
RGB Percent	78%, 54%, 71%
CMY	0.2233, 0.4628, 0.2940
CMYK	0.00, 0.31, 0.09, 0.22
HSL	318°, 35%, 66%
HSV	318°, 31%, 78%
XYZ	40.4850, 33.1924, 47.4627
YIQ	160.1410, 22.5530, 26.3050

Conversions

Conversions Part 2

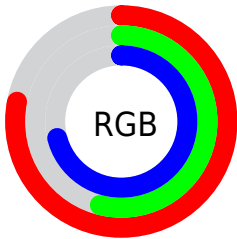
Format	Color
R_{YB}	198, 137, 180
Decimal	13011380
CIE _{Lab}	64.32, 30.01, -13.17
CIE _{LCh}	64, 32.773, 336.309
Yxy	33.1924, 0.3342, 0.2740
Android (android.graphics.Color)	4291201460 (0xFFC689B4)
YUV	160.1410, 9.7905, 33.2023
Hunter-Lab	57.6128, 24.6110, -8.5154

Details

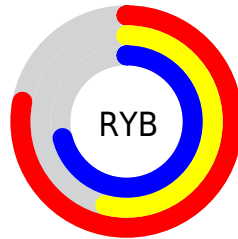
The Yxy color **33.1924, 0.3342, 0.2740** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.0975, 0.2964, 0.3913**, and the grayscale version is **35.1701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5777, 0.3298, 0.2839**, and **14.0275, 0.3403, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **27.8383, 0.3435, 0.2561**, and if you desaturate by 10%, it is **39.5930, 0.3261, 0.2923**.

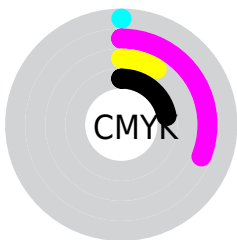
Distribution



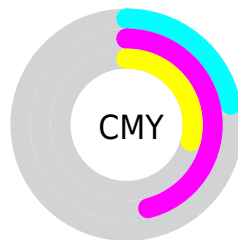
- Red (78%)
- Green (54%)
- Blue (71%)



- Red (78%)
- Yellow (54%)
- Blue (71%)



- Cyan (0%)
- Magenta (31%)
- Yellow (9%)
- Black (22%)




- Cyan (22%)
- Magenta (46%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1924, 0.3342, 0.2740 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 33.1924, 0.3342, 0.2740 by changing the saturation by 10% instead.


 33.1924, 0.3342,
0.2740


 33.1924, 0.3342,
0.2740


316.5158, 0.3235,
0.3018


 22.2739, 0.3369,
0.2670


 64.6758, 0.3303,
0.2841

 14.0583, 0.3403,
0.2580


 86.0095, 0.3288,
0.2879

 8.1612, 0.3449,
0.2459


 111.5836, 0.3276,
0.2911

 4.1983, 0.3512,
0.2291

141.7827, 0.3265,
0.2939

 1.7851, 0.3604,
0.2039

176.9910, 0.3256,
0.2962

 0.4779, 0.3818,
0.1476

217.5931, 0.3248,

 0.0000, 0.3636,

0.2983

0.0000

263.9732, 0.3241,
0.3001

0.0000, 0.0000,
0.0000

33.1924, 0.3342,
0.2740

33.1924, 0.3342,
0.2740

27.8383, 0.3435,
0.2561

39.5930, 0.3261,
0.2923

23.4695, 0.3539,
0.2393

47.0880, 0.3191,
0.3103

20.0252, 0.3653,
0.2247


55.7278, 0.3132,
0.3276

17.4362, 0.3774,
0.2133


65.5584, 0.3082,
0.3439


15.6234, 0.3899,
0.2060

76.6231, 0.3040,
0.3592

 14.4928, 0.4023,
0.2036

 88.4455, 0.3004,
0.3725

 13.8943, 0.4134,
0.2051

 88.7519, 0.2973,
0.3659

 89.0690, 0.2941,
0.3594

 89.3972, 0.2910,
0.3529

Harmonies

Analogous

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



33.1924, 0.2829, 0.2527



33.1924, 0.3342, 0.2740



33.1924, 0.3829, 0.3076

Triad

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



33.1924, 0.3342, 0.2740



33.1924, 0.3825, 0.4153



33.1924, 0.2228, 0.2974

Complementary

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



33.1924, 0.3342, 0.2740



48.0975, 0.2964, 0.3913

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.



33.1924, 0.2451, 0.3469



33.1924, 0.3342, 0.2740



33.1924, 0.3364, 0.4208

Square

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



33.1924, 0.3342, 0.2740



33.1924, 0.4110, 0.3866



33.1924, 0.2861, 0.3951



33.1924, 0.2222, 0.2626

Rectangle

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



33.1924, 0.3342, 0.2740



33.1924, 0.4053, 0.3340



33.1924, 0.2861, 0.3951



33.1924, 0.2278, 0.3128

Sweetspot

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



33.1939, 0.3342, 0.2740



85.7925, 0.3180, 0.3133



28.8619, 0.2740, 0.2431



17.9061, 0.3190, 0.3107



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.



33.1939, 0.3342, 0.2740



52.1812, 0.3403, 0.2619



32.1066, 0.3666, 0.3116



10.7612, 0.3182, 0.3129



9.0456, 0.4118, 0.2042



0.4406, 0.3886, 0.1914

Inverse Universe

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



33.1939, 0.3342, 0.2740



52.1812, 0.3403, 0.2619



49.2258, 0.2770, 0.3474



10.7612, 0.3182, 0.3129



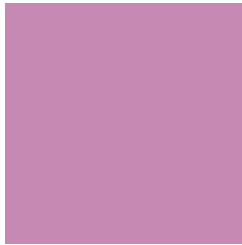
9.0456, 0.4118, 0.2042



0.4406, 0.3886, 0.1914

Previews

White Background



This preview shows how the Yxy color 33.1924, 0.3342, 0.2740 looks on a white background.

Color Contrast Check

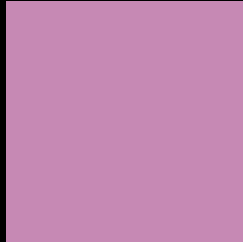
Large Text (above 18pt) WCAG AA × Fail

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 33.1924, 0.3342, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

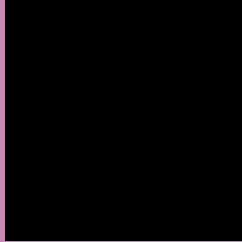
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1924, 0.3342, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 33.1924, 0.3342, 0.2740.



This preview shows how white text looks on a background with the Yxy color 33.1924, 0.3342, 0.2740.

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

33.1924, 0.3342, 0.2740

Protanopia

33.5444, 0.2751, 0.2759

Deuteranopia

33.3122, 0.2998, 0.2932



Tritanopia

33.2480, 0.3587, 0.3145

Trichromacy



Original Color

33.1924, 0.3342, 0.2740

Protanomaly

32.9176, 0.2940, 0.2735

Deuteranomaly

33.1957, 0.3117, 0.2863

Tritanomaly

33.1363, 0.3495, 0.2988

Monochromacy



Original Color

33.1924, 0.3342, 0.2740

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.2452, 0.3207, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1924, 0.3342, 0.2740 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, 137, 180)` looks like.

```
.text, #text, p{  
    color:rgb(198, 137, 180)  
}
```

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, 137, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 137, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.1924, 0.3342, 0.2740 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, 137, 180) }
```

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

```
.border{ border-color:rgb(198, 137, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 137, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(198, 137,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1924, 0.3342, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 137, 180) }
```

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

```
.background{ background-color: rgb(198,  
137, 180) }
```

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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