

Converting Colors

$Y_{xy}(33.5387, 0.3219, 0.2620)$

Have a look what the booklet for
Yxy(33.5387, 0.3219, 0.2620)
contains.

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Color

Yxy(33.3448, 0.3220, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	C489BE
RGB	196, 137, 190
RGB Percent	77%, 54%, 75%
CMY	0.2315, 0.4627, 0.2550
CMYK	0.00, 0.30, 0.03, 0.23
HSL	306°, 33%, 65%
HSV	306°, 30%, 77%
XYZ	40.9967, 33.3448, 52.9774
YIQ	160.6830, 18.1510, 28.9910

Conversions

Conversions Part 2

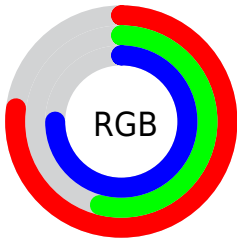
Format	Color
R_{YB}	196, 137, 190
Decimal	12880318
CIE _{Lab}	64.44, 31.06, -18.62
CIE _{LCh}	64, 36.212, 329.064
Yxy	33.3448, 0.3220, 0.2619
Android (android.graphics.Color)	4291070398 (0xFFC489BE)
YUV	160.6830, 14.4533, 30.9730
Hunter-Lab	57.7450, 25.6743, -13.9734

Details

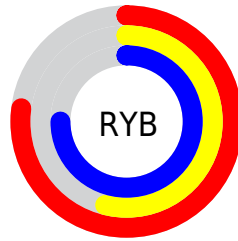
The Yxy color **33.3448, 0.3220, 0.2619** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.7699, 0.3046, 0.4068**, and the grayscale version is **35.4117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7981, 0.3207, 0.2742**, and **14.1244, 0.3227, 0.2421** is the 20% darker color. If you saturate the color by 10%, you get **28.1840, 0.3257, 0.2400**, and if you desaturate by 10%, it is **39.5216, 0.3186, 0.2845**.

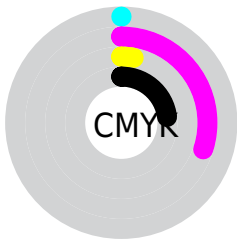
Distribution



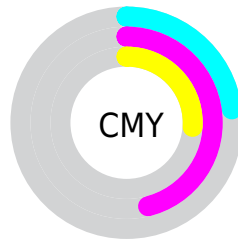
- Red (77%)
- Green (54%)
- Blue (75%)



- Red (77%)
- Yellow (54%)
- Blue (75%)



- Cyan (0%)
- Magenta (30%)
- Yellow (3%)
- Black (23%)





- Cyan (23%)
- Magenta (46%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3448, 0.3220, 0.2619 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 33.3448, 0.3220, 0.2619 by changing the saturation by 10% instead.

 33.3448, 0.3220,
0.2619


 33.3448, 0.3220,
0.2619


317.2006, 0.3179,
0.2954


 22.3907, 0.3228,
0.2536


 64.9135, 0.3206,
0.2740

 14.1443, 0.3238,
0.2430


 86.2969, 0.3201,
0.2786

 8.2211, 0.3249,
0.2290


 111.9255, 0.3196,
0.2825

 4.2367, 0.3260,
0.2097

142.1837, 0.3192,
0.2858

 1.8069, 0.3266,
0.1817

177.4559, 0.3188,
0.2887

 0.4914, 0.3295,
0.1259

218.1265, 0.3185,

 0.0000, 0.2152,

0.2912

0.0000

264.5799, 0.3182,
0.2934

0.0000, 0.0000,
0.0000

33.3448, 0.3220,
0.2619

33.3448, 0.3220,
0.2619

28.1840, 0.3257,
0.2400

39.5216, 0.3186,
0.2845

23.9800, 0.3296,
0.2197

46.7608, 0.3155,
0.3070

20.6743, 0.3336,
0.2020

55.1110, 0.3127,
0.3288

18.2000, 0.3376,
0.1876


64.6167, 0.3103,
0.3496

16.4812, 0.3415,
0.1774


75.3199, 0.3082,
0.3692


 15.4279, 0.3451,
0.1715

 87.2606, 0.3064,
0.3872

 14.8682, 0.3484,
0.1693

 87.6075, 0.3053,
0.3854

 87.7036, 0.3042,
0.3831

 87.8010, 0.3031,
0.3808

Harmonies

Analogous

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



33.3448, 0.2676, 0.2427



33.3448, 0.3220, 0.2619



33.3448, 0.3785, 0.2956

Triad

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



33.3448, 0.3220, 0.2619



33.3448, 0.3989, 0.4176



33.3448, 0.2180, 0.3057

Complementary

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



33.3448, 0.3220, 0.2619



46.7699, 0.3046, 0.4068

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.



33.3448, 0.2476, 0.3626



33.3448, 0.3220, 0.2619



33.3448, 0.3514, 0.4322

Square

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



33.3448, 0.3220, 0.2619



33.3448, 0.4243, 0.3816



33.3448, 0.2959, 0.4126



33.3448, 0.2119, 0.2630

Rectangle

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



33.3448, 0.3220, 0.2619



33.3448, 0.4074, 0.3232



33.3448, 0.2959, 0.4126



33.3448, 0.2254, 0.3239

Sweetspot

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



33.3463, 0.3220, 0.2619



86.0720, 0.3152, 0.3091



27.7144, 0.2653, 0.2433



17.9753, 0.3156, 0.3058



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.



33.3463, 0.3220, 0.2619



54.1590, 0.3244, 0.2476



32.1887, 0.3527, 0.2980



10.2293, 0.3153, 0.3086



9.5642, 0.3480, 0.1691



0.4184, 0.3412, 0.1653

Inverse Universe

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



33.3463, 0.3220, 0.2619



54.1590, 0.3244, 0.2476



47.7798, 0.2848, 0.3626



10.2293, 0.3153, 0.3086



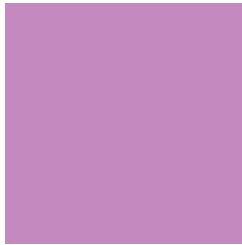
9.5642, 0.3480, 0.1691



0.4184, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 33.3448, 0.3220, 0.2619 looks on a white background.

Color Contrast Check

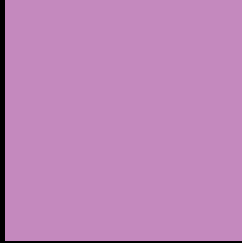
Large Text (above 18pt) WCAG AA × Fail

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 33.3448, 0.3220, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

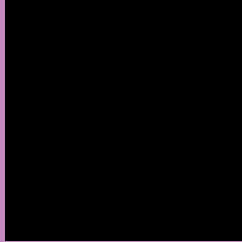
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3448, 0.3220, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 33.3448, 0.3220, 0.2619.



This preview shows how white text looks on a background with the Yxy color 33.3448, 0.3220, 0.2619.

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

33.3448, 0.3220, 0.2619

Protanopia

33.6838, 0.2638, 0.2613

Deuteranopia

33.5384, 0.2868, 0.2807



Tritanopia

33.3894, 0.3518, 0.3143

Trichromacy



Original Color

33.3448, 0.3220, 0.2619

Protanomaly

33.0436, 0.2829, 0.2605

Deuteranomaly

33.1562, 0.2987, 0.2728

Tritanomaly

33.2144, 0.3408, 0.2934

Monochromacy



Original Color

33.3448, 0.3220, 0.2619

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.4337, 0.3160, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3448, 0.3220, 0.2619 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(196, 137, 190)` looks like.

```
.text, #text, p{  
    color:rgb(196, 137, 190)  
}
```

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(196, 137, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 137, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.3448, 0.3220, 0.2619 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(196, 137, 190) }
```

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

```
.border{ border-color:rgb(196, 137, 190) }
```

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

Here you see how a box with a 4 pixel rgb(196, 137, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 137, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 137, 190);  
box-shadow:4px 4px 4px 4px rgb(196, 137,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3448, 0.3220, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 137, 190) }
```

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

```
.background{ background-color: rgb(196,  
137, 190) }
```

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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