

Converting Colors

$Y_{xy}(33.0063, 0.3217, 0.2473)$

Have a look what the booklet for
Yxy(33.0063, 0.3217, 0.2473)
contains.

Yxy(33.0063, 0.3217, 0.2473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0063, 0.3217, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	CB83C6
RGB	203, 131, 198
RGB Percent	80%, 51%, 78%
CMY	0.2039, 0.4862, 0.2236
CMYK	0.00, 0.35, 0.02, 0.20
HSL	304°, 41%, 65%
HSV	304°, 35%, 80%
XYZ	42.9362, 33.0063, 57.5241
YIQ	160.1660, 21.4050, 36.1010

Conversions

Conversions Part 2

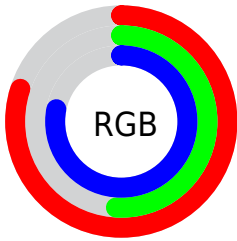
Format	Color
R_{YB}	203, 131, 198
Decimal	13337542
CIE _{Lab}	64.17, 38.10, -23.46
CIE _{LCh}	64, 44.749, 328.375
Yxy	33.0063, 0.3217, 0.2473
Android (android.graphics.Color)	4291527622 (0xFFCB83C6)
YUV	160.1660, 18.6522, 37.5654
Hunter-Lab	57.4511, 32.8629, -19.1496

Details

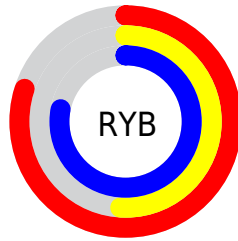
The Yxy color **33.0063, 0.3217, 0.2473** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.3161, 0.3046, 0.4272**, and the grayscale version is **35.1402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **14.0468, 0.3234, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **28.0133, 0.3246, 0.2256**, and if you desaturate by 10%, it is **39.0711, 0.3189, 0.2703**.

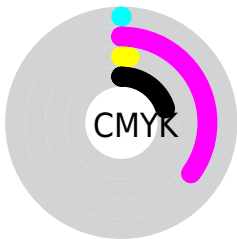
Distribution



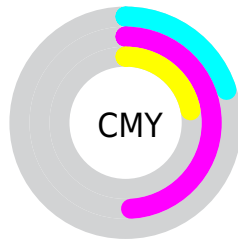
- Red (80%)
- Green (51%)
- Blue (78%)



- Red (80%)
- Yellow (51%)
- Blue (78%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (20%)




- Cyan (20%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0063, 0.3217, 0.2473 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 33.0063, 0.3217, 0.2473 by changing the saturation by 10% instead.


 33.0063, 0.3217,
0.2473


 33.0063, 0.3217,
0.2473


315.6781, 0.3181,
0.2875

 22.1313, 0.3223,
0.2375


 64.3854, 0.3206,
0.2617

 13.9534, 0.3229,
0.2252


 85.6582, 0.3202,
0.2672

 8.0883, 0.3233,
0.2090


 111.1657, 0.3197,
0.2719

 4.1515, 0.3233,
0.1873

141.2924, 0.3193,
0.2759

 1.7587, 0.3220,
0.1567

176.4226, 0.3190,
0.2794

 0.4612, 0.3206,
0.0995

216.9407, 0.3187,


 0.0000, 0.2523,

0.2824


0.0000


263.2310, 0.3184,
0.2851


 0.0000, 0.0000,
0.0000


 33.0063, 0.3217,
0.2473

 33.0063, 0.3217,
0.2473


 28.0133, 0.3246,
0.2256


 39.0711, 0.3189,
0.2703


 24.0251, 0.3276,
0.2061


 46.2608, 0.3163,
0.2937


 20.9738, 0.3306,
0.1898


 54.6305, 0.3139,
0.3167


 18.7816, 0.3334,
0.1773

 64.2300, 0.3118,
0.3390


 17.3581, 0.3360,
0.1692


 75.1067, 0.3099,
0.3600


 16.5922, 0.3383,
0.1653

 87.3051, 0.3082,
0.3796

 16.3645, 0.3393,
0.1643

 88.7649, 0.3074,
0.3802

 88.8348, 0.3066,
0.3786

 88.9053, 0.3058,
0.3770

Harmonies

Analogous

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



33.0063, 0.2557, 0.2249



33.0063, 0.3217, 0.2473



33.0063, 0.3926, 0.2867

Triad

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



33.0063, 0.3217, 0.2473



33.0063, 0.4182, 0.4352



33.0063, 0.1983, 0.2999

Complementary

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



33.0063, 0.3217, 0.2473



49.3161, 0.3046, 0.4272

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.



33.0063, 0.2334, 0.3723



33.0063, 0.3217, 0.2473



33.0063, 0.3597, 0.4579

Square

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



33.0063, 0.3217, 0.2473



33.0063, 0.4502, 0.3889



33.0063, 0.2920, 0.4362



33.0063, 0.1910, 0.2481

Rectangle

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



33.0063, 0.3217, 0.2473



33.0063, 0.4294, 0.3191



33.0063, 0.2920, 0.4362



33.0063, 0.2070, 0.3227

Sweetspot

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



33.0078, 0.3217, 0.2473



83.2656, 0.3152, 0.3037



25.7647, 0.2529, 0.2246



17.4183, 0.3156, 0.3005



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.



33.0078, 0.3217, 0.2473



48.3556, 0.3241, 0.2296



31.5472, 0.3600, 0.2891



11.3897, 0.3148, 0.3077



10.4198, 0.3391, 0.1641



0.5417, 0.3351, 0.1620

Inverse Universe

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



33.0078, 0.3217, 0.2473



48.3556, 0.3241, 0.2296



50.5089, 0.2819, 0.3732



11.3897, 0.3148, 0.3077



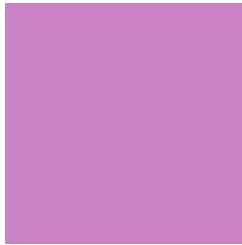
10.4198, 0.3391, 0.1641



0.5417, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 33.0063, 0.3217, 0.2473 looks on a white background.

Color Contrast Check

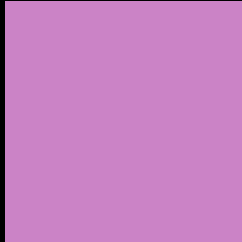
Large Text (above 18pt) WCAG AA × Fail

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 33.0063, 0.3217, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

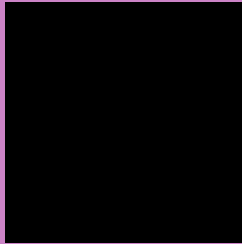
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0063, 0.3217, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 33.0063, 0.3217, 0.2473.



This preview shows how white text looks on a background with the Yxy color 33.0063, 0.3217, 0.2473.

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

33.0063, 0.3217, 0.2473

Protanopia

33.4208, 0.2510, 0.2446

Deuteranopia

33.3529, 0.2768, 0.2709



Tritanopia

32.8608, 0.3636, 0.3145

Trichromacy



Original Color

33.0063, 0.3217, 0.2473



Protanomaly

32.8426, 0.2733, 0.2446



Deuteranomaly

32.8489, 0.2926, 0.2614



Tritanomaly

32.8606, 0.3479, 0.2889

Monochromacy



Original Color

33.0063, 0.3217, 0.2473



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.7810, 0.3163, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0063, 0.3217, 0.2473 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(203, 131, 198)` looks like.

```
.text, #text, p{  
    color:rgb(203, 131, 198)  
}
```

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(203, 131, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 131, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.0063, 0.3217, 0.2473 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(203, 131, 198) }
```

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

```
.border{ border-color:rgb(203, 131, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 131, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 131, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 131, 198);  
box-shadow:4px 4px 4px 4px rgb(203, 131,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0063, 0.3217, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 131, 198) }
```

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

```
.background{ background-color: rgb(203,  
131, 198) }
```

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