

Converting Colors

$Y_{xy}(33.6771, 0.3366, 0.2583)$

Have a look what the booklet for
Yxy(33.6771, 0.3366, 0.2583)
contains.

Yxy(33.6519, 0.3370, 0.2578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.6519, 0.3370, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	D283BE
RGB	210, 131, 190
RGB Percent	82%, 51%, 75%
CMY	0.1764, 0.4863, 0.2549
CMYK	0.00, 0.38, 0.10, 0.18
HSL	315°, 47%, 67%
HSV	315°, 38%, 82%
XYZ	43.9903, 33.6519, 52.8927
YIQ	161.3470, 28.1450, 35.0970

Conversions

Conversions Part 2

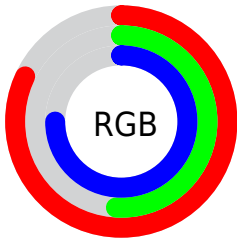
Format	Color
R _Y B	210, 131, 190
Decimal	13796286
CIE Lab	64.69, 38.98, -18.11
CIE LCh	65, 42.980, 335.083
Yxy	33.6519, 0.3370, 0.2578
Android (android.graphics.Color)	4291986366 (0xFFD283BE)
YUV	161.3470, 14.1259, 42.6687
Hunter-Lab	58.0103, 33.8419, -13.4524

Details

The Yxy color **33.6519, 0.3370, 0.2578** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1566, 0.2952, 0.4131**, and the grayscale version is **35.7345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6117, 0.3226, 0.2686**, and **14.2681, 0.3426, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **28.3441, 0.3457, 0.2397**, and if you desaturate by 10%, it is **40.1144, 0.3293, 0.2769**.

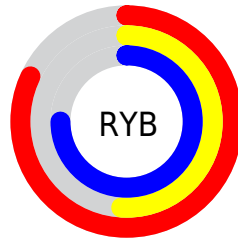
Distribution



Red (82%)

Green (51%)

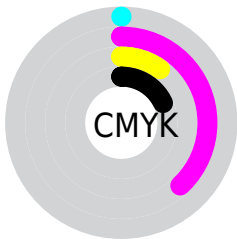
Blue (75%)



Red (82%)

Yellow (51%)

Blue (75%)

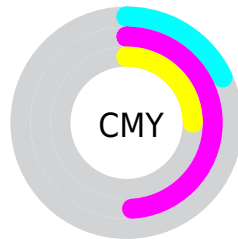


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (18%)



Cyan (18%)


Magenta (49%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6519, 0.3370, 0.2578 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 33.6519, 0.3370, 0.2578 by changing the saturation by 10% instead.


 33.6519, 0.3370,
0.2578


 33.6519, 0.3370,
0.2578


318.5771, 0.3252,
0.2931

 22.6263, 0.3398,
0.2491


 65.3920, 0.3328,
0.2705

 14.3178, 0.3433,
0.2381


 86.8753, 0.3312,
0.2753

 8.3420, 0.3479,
0.2237


 112.6132, 0.3298,
0.2794

 4.3146, 0.3539,
0.2039

142.9903, 0.3287,
0.2829

 1.8510, 0.3622,
0.1756

178.3908, 0.3276,
0.2859

 0.5187, 0.3778,
0.1225

219.1991, 0.3267,

 0.0000, 0.3855,

0.2886

0.0000

265.7998, 0.3259,
0.2910

0.0000, 0.0000,
0.0000

33.6519, 0.3370,
0.2578

33.6519, 0.3370,
0.2578

28.3441, 0.3457,
0.2397

40.1144, 0.3293,
0.2769

24.1170, 0.3551,
0.2235

47.7909, 0.3225,
0.2962

20.8947, 0.3652,
0.2103

56.7418, 0.3166,
0.3151

18.5901, 0.3756,
0.2010

67.0225, 0.3116,
0.3332

17.1006, 0.3859,
0.1964

78.6849, 0.3074,
0.3503

■ 16.2831, 0.3958,
0.1964

■ 90.4916, 0.3038,
0.3641

■ 16.1312, 0.3982,
0.1967

■ 90.7812, 0.3009,
0.3583

■ 91.0798, 0.2980,
0.3526

■ 91.3875, 0.2951,
0.3469

Harmonies

Analogous

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



33.6519, 0.2710, 0.2321



33.6519, 0.3370, 0.2578



33.6519, 0.4021, 0.2987

Triad

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



33.6519, 0.3370, 0.2578



33.6519, 0.4032, 0.4384



33.6519, 0.1990, 0.2883

Complementary

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



33.6519, 0.3370, 0.2578



53.1566, 0.2952, 0.4131

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.



33.6519, 0.2271, 0.3544



33.6519, 0.3370, 0.2578



33.6519, 0.3438, 0.4512

Square

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



33.6519, 0.3370, 0.2578



33.6519, 0.4405, 0.3980



33.6519, 0.2793, 0.4198



33.6519, 0.1977, 0.2443

Rectangle

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



33.6519, 0.3370, 0.2578



33.6519, 0.4325, 0.3310



33.6519, 0.2793, 0.4198



33.6519, 0.2054, 0.3086

Sweetspot

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



33.6534, 0.3370, 0.2578



82.9418, 0.3186, 0.3086



27.4422, 0.2608, 0.2205



17.3407, 0.3193, 0.3060



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.



33.6534, 0.3370, 0.2578



45.5772, 0.3438, 0.2434



32.1620, 0.3810, 0.3043



11.9558, 0.3176, 0.3118



9.8560, 0.3968, 0.1960



0.5635, 0.3799, 0.1867

Inverse Universe

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



33.6534, 0.3370, 0.2578



45.5772, 0.3438, 0.2434



54.6510, 0.2717, 0.3558



11.9558, 0.3176, 0.3118



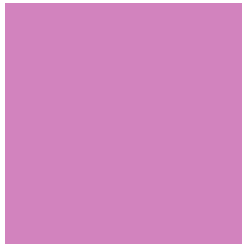
9.8560, 0.3968, 0.1960



0.5635, 0.3799, 0.1867

Previews

White Background



This preview shows how the Yxy color 33.6519, 0.3370, 0.2578 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 33.6519, 0.3370, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

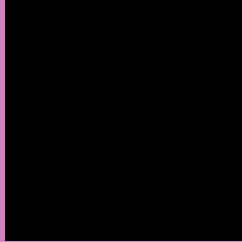
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6519, 0.3370, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 33.6519, 0.3370, 0.2578.



This preview shows how white text looks on a background with the Yxy color 33.6519, 0.3370, 0.2578.

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

33.6519, 0.3370, 0.2578

Protanopia

33.7873, 0.2602, 0.2563

Deuteranopia

34.0273, 0.2895, 0.2837



Tritanopia

33.6143, 0.3748, 0.3163

Trichromacy



Original Color

33.6519, 0.3370, 0.2578



Protanomaly

32.9903, 0.2840, 0.2549



Deuteranomaly

33.6106, 0.3064, 0.2738



Tritanomaly

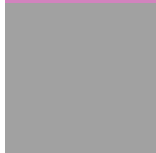
33.5541, 0.3610, 0.2938

Monochromacy



Original Color

33.6519, 0.3370, 0.2578



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.3750, 0.3211, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6519, 0.3370, 0.2578 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(210, 131, 190)` looks like.

```
.text, #text, p{  
    color:rgb(210, 131, 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(210, 131, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 131, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.6519, 0.3370, 0.2578 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(210, 131, 190) }
```

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

```
.border{ border-color:rgb(210, 131, 190) }
```

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

Here you see how a box with a 4 pixel rgb(210, 131, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 131, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 131, 190);  
box-shadow:4px 4px 4px 4px rgb(210, 131,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6519, 0.3370, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 131, 190) }
```

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

```
.background{ background-color: rgb(210,  
131, 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](#).

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