

Converting Colors

$Y_{xy}(33.8956, 0.3220, 0.2895)$

Have a look what the booklet for
Yxy(33.8956, 0.3220, 0.2895)
contains.

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Color

Yxy(33.7596, 0.3217, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	B792B0
RGB	183, 146, 176
RGB Percent	72%, 57%, 69%
CMY	0.2824, 0.4274, 0.3097
CMYK	0.00, 0.20, 0.04, 0.28
HSL	311°, 20%, 65%
HSV	311°, 20%, 72%
XYZ	37.6446, 33.7596, 45.6135
YIQ	160.4830, 12.4220, 17.1740

Conversions

Conversions Part 2

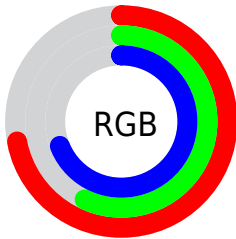
Format	Color
R _Y B	183, 146, 176
Decimal	12030640
CIE Lab	64.77, 19.04, -10.39
CIE LCh	65, 21.688, 331.381
Yxy	33.7596, 0.3217, 0.2885
Android (android.graphics.Color)	4290220720 (0xFFB792B0)
YUV	160.4830, 7.6499, 19.7474
Hunter-Lab	58.1030, 13.9688, -5.8732

Details

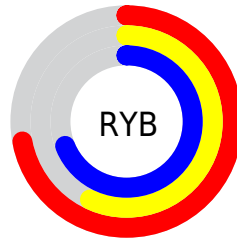
The Yxy color **33.7596, 0.3217, 0.2885** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2776, 0.3049, 0.3732**, and the grayscale version is **35.3491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4855, 0.3196, 0.2956**, and **14.3603, 0.3254, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **28.4283, 0.3271, 0.2679**, and if you desaturate by 10%, it is **40.0004, 0.3169, 0.3089**.

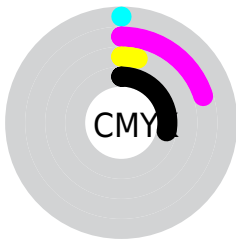
Distribution



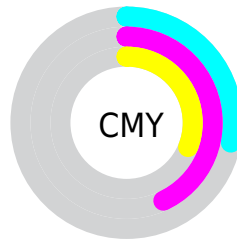
- Red (72%)
- Green (57%)
- Blue (69%)



- Red (72%)
- Yellow (57%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (28%)





- Cyan (28%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7596, 0.3217, 0.2885 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 33.7596, 0.3217, 0.2885 by changing the saturation by 10% instead.


 33.7596, 0.3217,
0.2885


 33.7596, 0.3217,
0.2885


319.0588, 0.3173,
0.3092

 22.7090, 0.3228,
0.2832


 65.5597, 0.3201,
0.2961

 14.3788, 0.3242,
0.2763


 87.0779, 0.3195,
0.2989

 8.3846, 0.3260,
0.2670


112.8541, 0.3190,
0.3013

 4.3420, 0.3284,
0.2538

143.2727, 0.3185,
0.3034

 1.8667, 0.3318,
0.2335

178.7181, 0.3182,
0.3051

 0.5282, 0.3422,
0.1858

219.5746, 0.3178,

 0.0000, 0.0000,

0.3066

0.0000

266.2267, 0.3175,
0.3080

■ 33.7596, 0.3217,
0.2885

■ 33.7596, 0.3217,
0.2885

■ 28.4283, 0.3271,
0.2679

■ 40.0004, 0.3169,
0.3089

■ 23.9592, 0.3332,
0.2478

■ 47.1864, 0.3128,
0.3286

■ 20.3074, 0.3398,
0.2290

■ 55.3566, 0.3092,
0.3473

■ 17.4220, 0.3468,
0.2125

■ 64.5467, 0.3062,
0.3648

■ 15.2468, 0.3541,
0.1992

■ 74.7904, 0.3037,
0.3810

■ 13.7174, 0.3614,
0.1899

■ 85.6068, 0.3015,
0.3951

■ 12.7581, 0.3685,
0.1851

■ 85.7667, 0.2997,
0.3910

■ 12.2196, 0.3753,
0.1841

■ 85.9303, 0.2978,
0.3869

■ 86.0976, 0.2960,
0.3829

Harmonies

Analogous

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



33.7596, 0.2882, 0.2755



33.7596, 0.3217, 0.2885



33.7596, 0.3543, 0.3109

Triad

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



33.7596, 0.3217, 0.2885



33.7596, 0.3637, 0.3844



33.7596, 0.2535, 0.3142

Complementary

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



33.7596, 0.3217, 0.2885



42.2776, 0.3049, 0.3732

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.



33.7596, 0.2717, 0.3466



33.7596, 0.3217, 0.2885



33.7596, 0.3349, 0.3890

Square

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



33.7596, 0.3217, 0.2885



33.7596, 0.3791, 0.3651



33.7596, 0.3012, 0.3751



33.7596, 0.2503, 0.2884

Rectangle

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



33.7596, 0.3217, 0.2885



33.7596, 0.3704, 0.3290



33.7596, 0.3012, 0.3751



33.7596, 0.2580, 0.3247

Sweetspot

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



33.7611, 0.3217, 0.2885



76.7307, 0.3152, 0.3171



30.7290, 0.2858, 0.2751



16.7663, 0.3154, 0.3158



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7611, 0.3217, 0.2885



56.2806, 0.3239, 0.2799



33.0849, 0.3400, 0.3129



9.1329, 0.3165, 0.3107



8.5342, 0.3745, 0.1837



0.3085, 0.3584, 0.1748

Inverse Universe

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



33.7611, 0.3217, 0.2885



56.2806, 0.3239, 0.2799



42.9292, 0.2913, 0.3458



9.1329, 0.3165, 0.3107



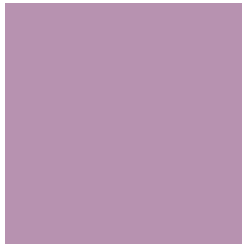
8.5342, 0.3745, 0.1837



0.3085, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 33.7596, 0.3217, 0.2885 looks on a white background.

Color Contrast Check

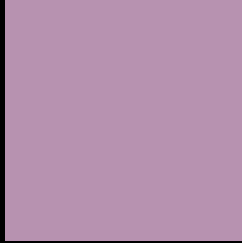
Large Text (above 18pt) WCAG AA × Fail

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 33.7596, 0.3217, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

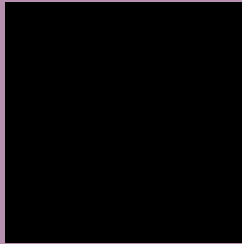
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7596, 0.3217, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 33.7596, 0.3217, 0.2885.



This preview shows how white text looks on a background with the Yxy color 33.7596, 0.3217, 0.2885.

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

33.7596, 0.3217, 0.2885

Protanopia

33.9681, 0.2866, 0.2900

Deuteranopia

33.8769, 0.3045, 0.2977



Tritanopia

33.8567, 0.3350, 0.3138

Trichromacy



Original Color

33.7596, 0.3217, 0.2885

Protanomaly

33.6443, 0.2991, 0.2894

Deuteranomaly

33.6785, 0.3114, 0.2941

Tritanomaly

33.8781, 0.3303, 0.3043

Monochromacy



Original Color

33.7596, 0.3217, 0.2885

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5207, 0.3154, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7596, 0.3217, 0.2885 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(183, 146, 176)` looks like.

```
.text, #text, p{  
    color:rgb(183, 146, 176)  
}
```

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(183, 146, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 146, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.7596, 0.3217, 0.2885 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(183, 146, 176) }
```

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

```
.border{ border-color:rgb(183, 146, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 146, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 146, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 146, 176);  
box-shadow:4px 4px 4px 4px rgb(183, 146,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7596, 0.3217, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 146, 176) }
```

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

```
.background{ background-color: rgb(183,  
146, 176) }
```

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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