

Converting Colors

$Y_{xy}(33.5640, 0.3176, 0.2806)$

Have a look what the booklet for
Yxy(33.5640, 0.3176, 0.2806)
contains.

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Color

Yxy(33.6543, 0.3170, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	B791B5
RGB	183, 145, 181
RGB Percent	72%, 57%, 71%
CMY	0.2824, 0.4313, 0.2902
CMYK	0.00, 0.21, 0.01, 0.28
HSL	303°, 21%, 64%
HSV	303°, 21%, 72%
XYZ	37.9929, 33.6543, 48.2043
YIQ	160.4660, 11.0920, 19.2520

Conversions

Conversions Part 2

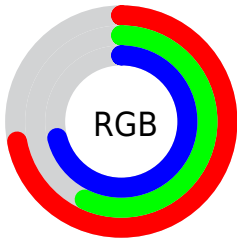
Format	Color
R_{YB}	183, 145, 181
Decimal	12030389
CIE _{Lab}	64.69, 20.53, -13.31
CIE _{LCh}	65, 24.469, 327.035
Yxy	33.6543, 0.3170, 0.2808
Android (android.graphics.Color)	4290220469 (0xFFB791B5)
YUV	160.4660, 10.1233, 19.7623
Hunter-Lab	58.0123, 15.3801, -8.6573

Details

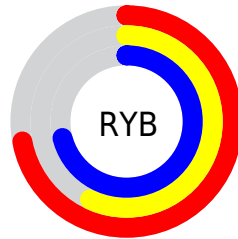
The Yxy color **33.6543, 0.3170, 0.2808** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.9934, 0.3085, 0.3824**, and the grayscale version is **35.3292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3120, 0.3161, 0.2895**, and **14.3097, 0.3185, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **28.4665, 0.3193, 0.2574**, and if you desaturate by 10%, it is **39.7461, 0.3148, 0.3043**.

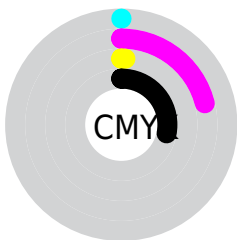
Distribution



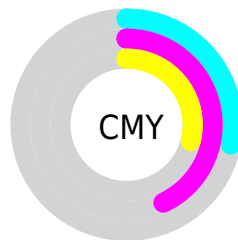
- Red (72%)
- Green (57%)
- Blue (71%)



- Red (72%)
- Yellow (57%)
- Blue (71%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (28%)





- Cyan (28%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6543, 0.3170, 0.2808 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 33.6543, 0.3170, 0.2808 by changing the saturation by 10% instead.


 33.6543, 0.3170,
0.2808


 33.6543, 0.3170,
0.2808


318.5878, 0.3151,
0.3053

 22.6281, 0.3174,
0.2746


 65.3957, 0.3164,
0.2898

 14.3192, 0.3178,
0.2665


 86.8798, 0.3161,
0.2931

 8.3430, 0.3182,
0.2557


112.6186, 0.3159,
0.2959

 4.3152, 0.3186,
0.2405

142.9965, 0.3157,
0.2984

 1.8514, 0.3185,
0.2174

178.3981, 0.3156,
0.3004

 0.5189, 0.3215,
0.1662

219.2075, 0.3154,

 0.0000, 0.0000,

0.3023

0.0000

265.8093, 0.3153,
0.3039

■ 33.6543, 0.3170,
0.2808

■ 33.6543, 0.3170,
0.2808

■ 28.4665, 0.3193,
0.2574

■ 39.7461, 0.3148,
0.3043

■ 24.1353, 0.3217,
0.2348

■ 46.7777, 0.3129,
0.3273

■ 20.6155, 0.3242,
0.2140


■ 54.7883, 0.3111,
0.3492

■ 17.8562, 0.3266,
0.1958


■ 63.8135, 0.3095,
0.3699


■ 15.8006, 0.3290,
0.1813


■ 73.8873, 0.3081,
0.3890

 14.3840, 0.3311,
0.1708

 85.0419, 0.3068,
0.4066

 13.5299, 0.3330,
0.1645

 85.2074, 0.3063,
0.4057

 13.0970, 0.3346,
0.1617

 85.2491, 0.3058,
0.4045

 85.2912, 0.3053,
0.4034

Harmonies

Analogous

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



33.6543, 0.2801, 0.2681



33.6543, 0.3170, 0.2808



33.6543, 0.3548, 0.3045

Triad

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



33.6543, 0.3170, 0.2808



33.6543, 0.3738, 0.3890



33.6543, 0.2482, 0.3170

Complementary

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



33.6543, 0.3170, 0.2808



41.9934, 0.3085, 0.3824

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.



33.6543, 0.2706, 0.3542



33.6543, 0.3170, 0.2808



33.6543, 0.3428, 0.3976

Square

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



33.6543, 0.3170, 0.2808



33.6543, 0.3885, 0.3652



33.6543, 0.3049, 0.3851



33.6543, 0.2422, 0.2865

Rectangle

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



33.6543, 0.3170, 0.2808



33.6543, 0.3746, 0.3242



33.6543, 0.3049, 0.3851



33.6543, 0.2539, 0.3292

Sweetspot

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



33.6558, 0.3170, 0.2808



76.8428, 0.3139, 0.3151



29.8661, 0.2803, 0.2727



16.7937, 0.3140, 0.3136



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.



33.6558, 0.3170, 0.2808



55.7580, 0.3181, 0.2698



32.9322, 0.3357, 0.3055



9.1543, 0.3145, 0.3076



9.1402, 0.3344, 0.1616



0.3247, 0.3306, 0.1595

Inverse Universe

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



33.6558, 0.3170, 0.2808



55.7580, 0.3181, 0.2698



42.6360, 0.2945, 0.3538



9.1543, 0.3145, 0.3076



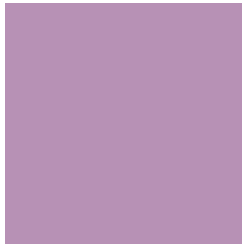
9.1402, 0.3344, 0.1616



0.3247, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 33.6543, 0.3170, 0.2808 looks on a white background.

Color Contrast Check

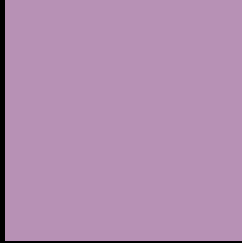
Large Text (above 18pt) WCAG AA × Fail

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 33.6543, 0.3170, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

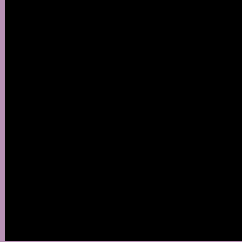
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6543, 0.3170, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 33.6543, 0.3170, 0.2808.



This preview shows how white text looks on a background with the Yxy color 33.6543, 0.3170, 0.2808.

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

33.6543, 0.3170, 0.2808

Protanopia

33.8918, 0.2800, 0.2829

Deuteranopia

33.7185, 0.2981, 0.2920



Tritanopia

33.7363, 0.3340, 0.3137

Trichromacy



Original Color

33.6543, 0.3170, 0.2808

Protanomaly

33.6406, 0.2930, 0.2825

Deuteranomaly

33.6540, 0.3049, 0.2872

Tritanomaly

33.8307, 0.3273, 0.3016

Monochromacy



Original Color

33.6543, 0.3170, 0.2808

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5947, 0.3136, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6543, 0.3170, 0.2808 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, 145, 181)` looks like.

```
.text, #text, p{  
    color:rgb(183, 145, 181)  
}
```

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, 145, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 145, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.6543, 0.3170, 0.2808 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, 145, 181) }
```

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

```
.border{ border-color:rgb(183, 145, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 145, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 145, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 145, 181);  
box-shadow:4px 4px 4px 4px rgb(183, 145,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6543, 0.3170, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 145, 181) }
```

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

```
.background{ background-color: rgb(183,  
145, 181) }
```

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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