

Converting Colors

$Y_{xy}(33.7091, 0.3093, 0.2789)$

Have a look what the booklet for
Yxy(33.7091, 0.3093, 0.2789)
contains.

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Color

Yxy(33.7931, 0.3091, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	B293B8
RGB	178, 147, 184
RGB Percent	70%, 58%, 72%
CMY	0.3021, 0.4235, 0.2785
CMYK	0.03, 0.20, 0.00, 0.28
HSL	290°, 21%, 65%
HSV	290°, 20%, 72%
XYZ	37.4389, 33.7931, 49.8902
YIQ	160.4870, 6.5990, 18.0790

Conversions

Conversions Part 2

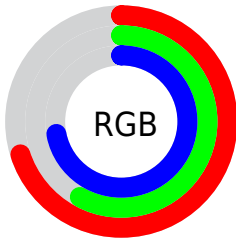
Format	Color
R _Y B	178, 147, 184
Decimal	11703224
CIE Lab	64.80, 18.25, -14.88
CIE LCh	65, 23.550, 320.812
Yxy	33.7931, 0.3091, 0.2790
Android (android.graphics.Color)	4289893304 (0xFFB293B8)
YUV	160.4870, 11.5919, 15.3589
Hunter-Lab	58.1318, 13.2294, -10.1919

Details

The Yxy color **33.7931, 0.3091, 0.2790** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.1596, 0.3152, 0.3827**, and the grayscale version is **35.3329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5570, 0.3101, 0.2882**, and **14.3644, 0.3073, 0.2637** is the 20% darker color. If you saturate the color by 10%, you get **28.1714, 0.3067, 0.2532**, and if you desaturate by 10%, it is **40.3407, 0.3111, 0.3044**.

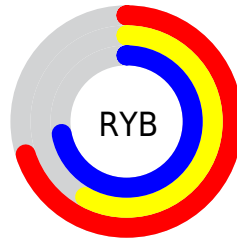
Distribution



Red (70%)

Green (58%)

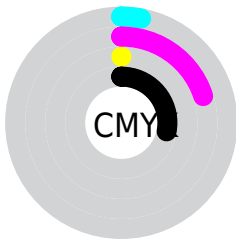
Blue (72%)



Red (70%)

Yellow (58%)

Blue (72%)

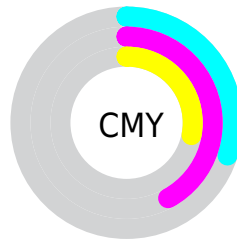


Cyan (3%)

Magenta (20%)

Yellow (0%)

Black (28%)



Cyan (30%)


Magenta (42%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7931, 0.3091, 0.2790 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 33.7931, 0.3091, 0.2790 by changing the saturation by 10% instead.


 33.7931, 0.3091,
0.2790


 33.7931, 0.3091,
0.2790


319.2085, 0.3114,
0.3044

 22.7347, 0.3084,
0.2726


 65.6118, 0.3100,
0.2883

 14.3977, 0.3074,
0.2642


 87.1409, 0.3104,
0.2918

 8.3978, 0.3058,
0.2530


112.9290, 0.3106,
0.2947

 4.3505, 0.3033,
0.2373

143.3605, 0.3108,
0.2972

 1.8715, 0.2987,
0.2135

178.8198, 0.3110,
0.2994

 0.5312, 0.2926,
0.1627

219.6913, 0.3111,

 0.0000, 0.0000,

0.3013

0.0000

266.3594, 0.3113,
0.3029

■ 33.7931, 0.3091,
0.2790

■ 33.7931, 0.3091,
0.2790

■ 28.1714, 0.3067,
0.2532

■ 40.3407, 0.3111,
0.3044

■ 23.4276, 0.3038,
0.2277

■ 47.8503, 0.3127,
0.3288

■ 19.5164, 0.3004,
0.2035

■ 56.3616, 0.3139,
0.3517

■ 16.3862, 0.2967,
0.1815

■ 65.9106, 0.3149,
0.3731

■ 13.9800, 0.2927,
0.1629

■ 76.5315, 0.3155,
0.3927

■ 12.2327, 0.2885,
0.1483

■ 86.7087, 0.3162,
0.4082

■ 11.0677, 0.2843,
0.1381

■ 87.1144, 0.3181,
0.4078

■ 10.3328, 0.2801,
0.1316

■ 87.5282, 0.3199,
0.4073

■ 87.9501, 0.3218,
0.4069

Harmonies

Analogous

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



33.7931, 0.2750, 0.2694



33.7931, 0.3091, 0.2790



33.7931, 0.3462, 0.3000

Triad

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



33.7931, 0.3091, 0.2790



33.7931, 0.3759, 0.3830



33.7931, 0.2538, 0.3248

Complementary

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



33.7931, 0.3091, 0.2790



43.1596, 0.3152, 0.3827

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.



33.7931, 0.2783, 0.3603



33.7931, 0.3091, 0.2790



33.7931, 0.3488, 0.3947

Square

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



33.7931, 0.3091, 0.2790



33.7931, 0.3859, 0.3582



33.7931, 0.3129, 0.3869



33.7931, 0.2446, 0.2933

Rectangle

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



33.7931, 0.3091, 0.2790



33.7931, 0.3670, 0.3183



33.7931, 0.3129, 0.3869



33.7931, 0.2605, 0.3368

Sweetspot

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



33.7946, 0.3091, 0.2790



78.3622, 0.3118, 0.3143



32.5064, 0.2803, 0.2838



16.7076, 0.3117, 0.3127



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.



33.7946, 0.3091, 0.2790



56.6777, 0.3081, 0.2679



34.0278, 0.3268, 0.2957



9.0867, 0.3112, 0.3063



7.1482, 0.2806, 0.1319



0.2720, 0.2916, 0.1380

Inverse Universe

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



33.3633, 0.3457, 0.3208



55.7846, 0.3547, 0.3189



42.9962, 0.3009, 0.3649



9.0354, 0.3263, 0.3253



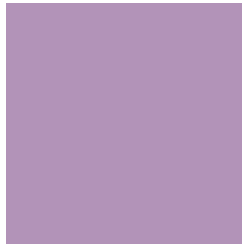
7.0947, 0.6141, 0.3156



0.2576, 0.5509, 0.2809

Previews

White Background



This preview shows how the Yxy color 33.7931, 0.3091, 0.2790 looks on a white background.

Color Contrast Check

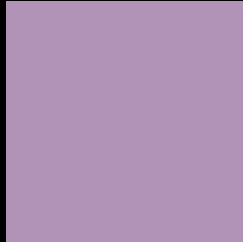
Large Text (above 18pt) WCAG AA × Fail

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 33.7931, 0.3091, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

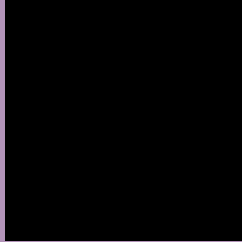
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7931, 0.3091, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 33.7931, 0.3091, 0.2790.



This preview shows how white text looks on a background with the Yxy color 33.7931, 0.3091, 0.2790.

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

33.7931, 0.3091, 0.2790

Protanopia

33.9787, 0.2785, 0.2803

Deuteranopia

34.0037, 0.2929, 0.2878



Tritanopia

33.8915, 0.3256, 0.3121

Trichromacy



Original Color

33.7931, 0.3091, 0.2790

Protanomaly

33.8869, 0.2887, 0.2798

Deuteranomaly

33.7676, 0.2993, 0.2843

Tritanomaly

33.9831, 0.3191, 0.2999

Monochromacy



Original Color

33.7931, 0.3091, 0.2790

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5228, 0.3117, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7931, 0.3091, 0.2790 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(178, 147, 184)` looks like.

```
.text, #text, p{  
    color:rgb(178, 147, 184)  
}
```

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(178, 147, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 147, 184) }
```

Border

The CSS property to change the border of an element to Yxy 33.7931, 0.3091, 0.2790 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(178, 147, 184) }
```

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

```
.border{ border-color:rgb(178, 147, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 147, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 147, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 147, 184);  
box-shadow:4px 4px 4px 4px rgb(178, 147,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7931, 0.3091, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 147, 184) }
```

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

```
.background{ background-color: rgb(178,  
147, 184) }
```

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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