

Converting Colors

$Yxy(36.6954, 0.3074, 0.2881)$

Have a look what the booklet for
Yxy(36.6954, 0.3074, 0.2881)
contains.

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Color

Yxy(36.7871, 0.3070, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	B29CBA
RGB	178, 156, 186
RGB Percent	70%, 61%, 73%
CMY	0.3021, 0.3882, 0.2706
CMYK	0.04, 0.16, 0.00, 0.27
HSL	284°, 18%, 67%
HSV	284°, 16%, 73%
XYZ	39.1054, 36.7871, 51.4867
YIQ	165.9980, 3.4820, 13.9940

Conversions

Conversions Part 2

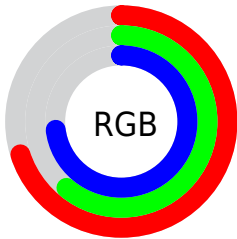
Format	Color
R_{YB}	178, 156, 186
Decimal	11705530
CIE _{Lab}	67.12, 13.62, -12.51
CIE _{LCh}	67, 18.491, 317.428
Yxy	36.7871, 0.3070, 0.2888
Android (android.graphics.Color)	4289895610 (0xFFB29CBA)
YUV	165.9980, 9.8610, 10.5258
Hunter-Lab	60.6524, 8.9456, -7.8735

Details

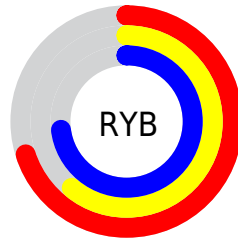
The Yxy color **36.7871, 0.3070, 0.2888** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.4095, 0.3174, 0.3708**, and the grayscale version is **38.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4918, 0.3084, 0.2968**, and **16.1566, 0.3045, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **30.4389, 0.3026, 0.2624**, and if you desaturate by 10%, it is **44.1156, 0.3107, 0.3142**.

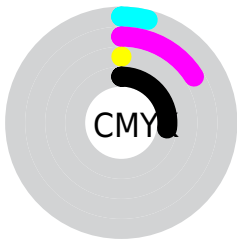
Distribution



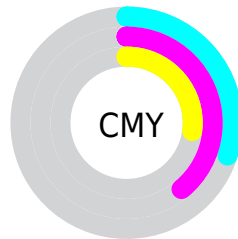
- Red (70%)
- Green (61%)
- Blue (73%)



- Red (70%)
- Yellow (61%)
- Blue (73%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (27%)





- Cyan (30%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7871, 0.3070, 0.2888 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 36.7871, 0.3070, 0.2888 by changing the saturation by 10% instead.


 36.7871, 0.3070,
0.2888

 36.7871, 0.3070,
0.2888


332.3879, 0.3102,
0.3091

 25.0427, 0.3061,
0.2837


 70.2452, 0.3082,
0.2962

 16.1089, 0.3049,
0.2770


 92.7277, 0.3087,
0.2990

 9.6012, 0.3031,
0.2682


119.5584, 0.3090,
0.3013

 5.1354, 0.3004,
0.2557

151.1216, 0.3093,
0.3034

 2.3269, 0.2959,
0.2369

187.8018, 0.3096,
0.3051

 0.7879, 0.2872,
0.2048

229.9833, 0.3098,


 0.0000, 0.0523,


0.3066


0.0000


278.0505, 0.3100,
0.3079


 0.0000, 0.0000,
0.0000


 36.7871, 0.3070,
0.2888


 36.7871, 0.3070,
0.2888


 30.4389, 0.3026,
0.2624


 44.1156, 0.3107,
0.3142


 25.0226, 0.2974,
0.2356

 52.4604, 0.3138,
0.3381


 20.4930, 0.2915,
0.2092

 61.8616, 0.3164,
0.3603

 16.7990, 0.2851,
0.1844

 72.3554, 0.3184,
0.3806

 13.8843, 0.2781,
0.1623

 83.9767, 0.3200,
0.3991

■ 11.6855, 0.2710,
0.1438

■ 88.4481, 0.3225,
0.4042

■ 10.1290, 0.2638,
0.1298

■ 89.1796, 0.3257,
0.4034

■ 9.1200, 0.2568,
0.1204

■ 89.9340, 0.3289,
0.4027

■ 8.7995, 0.2541,
0.1173

■ 90.7113, 0.3322,
0.4019

Harmonies

Analogous

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



36.7871, 0.2813, 0.2827



36.7871, 0.3070, 0.2888



36.7871, 0.3353, 0.3044

Triad

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



36.7871, 0.3070, 0.2888



36.7871, 0.3627, 0.3690



36.7871, 0.2690, 0.3293

Complementary

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



36.7871, 0.3070, 0.2888



45.4095, 0.3174, 0.3708

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.



36.7871, 0.2893, 0.3554



36.7871, 0.3070, 0.2888



36.7871, 0.3434, 0.3786

Square

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



36.7871, 0.3070, 0.2888



36.7871, 0.3683, 0.3496



36.7871, 0.3164, 0.3740



36.7871, 0.2602, 0.3045

Rectangle

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



36.7871, 0.3070, 0.2888



36.7871, 0.3517, 0.3185



36.7871, 0.3164, 0.3740



36.7871, 0.2746, 0.3383

Sweetspot

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



36.7887, 0.3070, 0.2888



81.4486, 0.3111, 0.3167



37.3474, 0.2874, 0.2987



17.7136, 0.3109, 0.3150



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.7887, 0.3070, 0.2888



62.8192, 0.3057, 0.2804



37.4946, 0.3204, 0.2980



9.0387, 0.3096, 0.3062



5.9590, 0.2550, 0.1178



0.2386, 0.2728, 0.1276

Inverse Universe

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



36.9014, 0.3350, 0.3182



63.0821, 0.3403, 0.3160



44.8091, 0.3058, 0.3622



9.0506, 0.3247, 0.3229



7.1874, 0.5842, 0.2992



0.2640, 0.5090, 0.2578

Previews

White Background



This preview shows how the Yxy color 36.7871, 0.3070, 0.2888 looks on a white background.

Color Contrast Check

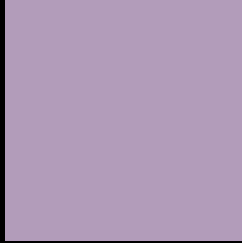
Large Text (above 18pt) WCAG AA × Fail

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 36.7871, 0.3070, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

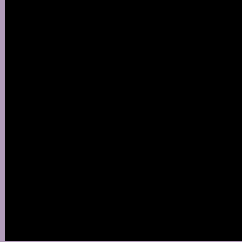
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7871, 0.3070, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 36.7871, 0.3070, 0.2888.



This preview shows how white text looks on a background with the Yxy color 36.7871, 0.3070, 0.2888.

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

36.7871, 0.3070, 0.2888

Protanopia

36.8275, 0.2858, 0.2899

Deuteranopia

36.7341, 0.2995, 0.2933



Tritanopia

36.9667, 0.3183, 0.3125

Trichromacy



Original Color

36.7871, 0.3070, 0.2888

Protanomaly

36.8151, 0.2926, 0.2890

Deuteranomaly

36.7272, 0.3023, 0.2922

Tritanomaly

36.9354, 0.3148, 0.3044

Monochromacy



Original Color

36.7871, 0.3070, 0.2888

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4038, 0.3106, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7871, 0.3070, 0.2888 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, 156, 186)` looks like.

```
.text, #text, p{  
    color:rgb(178, 156, 186)  
}
```

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, 156, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 156, 186) }
```

Border

The CSS property to change the border of an element to Yxy 36.7871, 0.3070, 0.2888 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, 156, 186) }
```

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

```
.border{ border-color:rgb(178, 156, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 156, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 156, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 156, 186);  
box-shadow:4px 4px 4px 4px rgb(178, 156,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7871, 0.3070, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 156, 186) }
```

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

```
.background{ background-color: rgb(178,  
156, 186) }
```

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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