

Converting Colors

$Y_{xy}(21.6921, 0.3813, 0.2936)$

Have a look what the booklet for
Yxy(21.6921, 0.3813, 0.2936)
contains.

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Color

Yxy(21.7705, 0.3812, 0.2932)

Conversions

Conversions Part 1

| Format | Color |
|---------------|--|
| Hex | B56A83 |
| RGB | 181, 106, 131 |
| RGB Percent | 71%, 42%, 51% |
| CMY | 0.2902, 0.5843, 0.4863 |
| CMYK | 0.00, 0.41, 0.28, 0.29 |
| HSL | 340°, 34%, 56% |
| HSV | 340°, 41%, 71% |
| XYZ | 28.3046, 21.7705, 24.1762 |
| YIQ | 131.2750, 36.6750, 23.6750 |

Conversions

Conversions Part 2

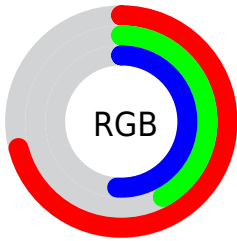
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 181, 106, 131 |
| Decimal | 11889283 |
| CIE _{Lab} | 53.78, 33.11, -0.79 |
| CIE _{LCh} | 54, 33.117, 358.628 |
| Yxy | 21.7705, 0.3812, 0.2932 |
| Android (android.graphics.Color) | 4290079363 (0xFFB56A83) |
| YUV | 131.2750, -0.1356, 43.6088 |
| Hunter-Lab | 46.6589, 26.6302, 1.9402 |

Details

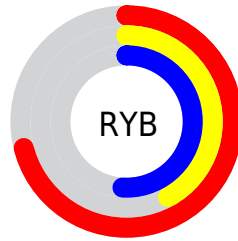
The Yxy color **21.7705, 0.3812, 0.2932** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **38.5111, 0.2728, 0.3690**, and the grayscale version is **22.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4341, 0.3654, 0.3014**, and **7.8732, 0.4077, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **18.1177, 0.4070, 0.2852**, and if you desaturate by 10%, it is **26.2508, 0.3594, 0.3020**.

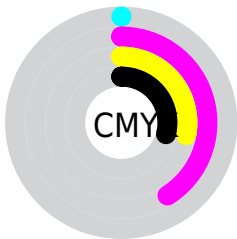
Distribution



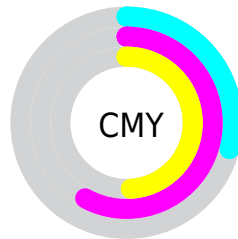
- Red (71%)
- Green (42%)
- Blue (51%)



- Red (71%)
- Yellow (42%)
- Blue (51%)



- Cyan (0%)
- Magenta (41%)
- Yellow (28%)
- Black (29%)





- Cyan (29%)
- Magenta (58%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7705, 0.3812, 0.2932 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 21.7705, 0.3812, 0.2932 by changing the saturation by 10% instead.


 21.7705, 0.3812,
0.2932


 21.7705, 0.3812,
0.2932


261.3454, 0.3428,
0.3132


 13.6884, 0.3925,
0.2874


 46.3664, 0.3661,
0.3011


 7.9042, 0.4082,
0.2792


 63.6489, 0.3607,
0.3038

 4.0337, 0.4315,
0.2673

 84.7671, 0.3564,
0.3061

 1.6925, 0.4692,
0.2480

 110.1052, 0.3528,
0.3080

 0.4188, 0.5756,
0.1911

140.0477, 0.3497,
0.3096

 0.0000, 1.0000,
0.0000

174.9790, 0.3470,

 0.0000, 0.0000,

0.3110

0.0000

215.2834, 0.3448,
0.3122

■ 21.7705, 0.3812,
0.2932

■ 21.7705, 0.3812,
0.2932

■ 18.1177, 0.4070,
0.2852

■ 26.2508, 0.3594,
0.3020

■ 15.2380, 0.4368,
0.2788

■ 31.6023, 0.3413,
0.3110

■ 13.0754, 0.4698,
0.2752


■ 37.8693, 0.3264,
0.3197


■ 11.5649, 0.5043,
0.2756

■ 45.0922, 0.3143,
0.3279


■ 10.6294, 0.5377,
0.2807

■ 53.3090, 0.3043,
0.3355

 10.1521, 0.5638,
0.2880

 62.5557, 0.2962,
0.3425

 72.8662, 0.2895,
0.3490

 84.2731, 0.2839,
0.3548

 87.6122, 0.2781,
0.3457

Harmonies

Analogous

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



21.7705, 0.3214, 0.2583



21.7705, 0.3812, 0.2932



21.7705, 0.4226, 0.3372

Triad

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



21.7705, 0.3812, 0.2932



21.7705, 0.3539, 0.4381



21.7705, 0.2070, 0.2599

Complementary

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



21.7705, 0.3812, 0.2932



38.5111, 0.2728, 0.3690

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.



21.7705, 0.2136, 0.3049



21.7705, 0.3812, 0.2932



21.7705, 0.2956, 0.4182

Square

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



21.7705, 0.3812, 0.2932



21.7705, 0.4038, 0.4215



21.7705, 0.2447, 0.3653



21.7705, 0.2245, 0.2381

Rectangle

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



21.7705, 0.3812, 0.2932



21.7705, 0.4318, 0.3680



21.7705, 0.2447, 0.3653



21.7705, 0.2064, 0.2725

Sweetspot

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



21.7716, 0.3812, 0.2932



66.9015, 0.3275, 0.3190



20.7142, 0.2888, 0.2199



14.1342, 0.3292, 0.3179



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.7716, 0.3812, 0.2932



32.7994, 0.4054, 0.2856



23.9407, 0.4092, 0.3474



8.5504, 0.3237, 0.3214



7.0109, 0.5605, 0.2862



0.2317, 0.4811, 0.2424

Inverse Universe

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



21.7716, 0.3812, 0.2932



32.7994, 0.4054, 0.2856



34.5897, 0.2537, 0.3092



8.5504, 0.3237, 0.3214



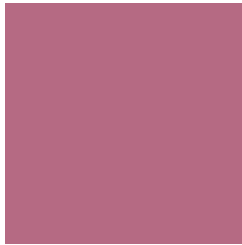
7.0109, 0.5605, 0.2862



0.2317, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 21.7705, 0.3812, 0.2932 looks on a white background.

Color Contrast Check

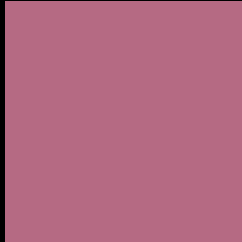
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7705, 0.3812, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

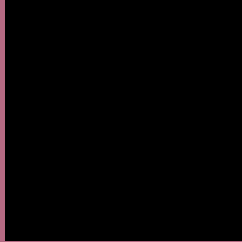
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7705, 0.3812, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 21.7705, 0.3812, 0.2932.



This preview shows how white text looks on a background with the Yxy color 21.7705, 0.3812, 0.2932.

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

21.7705, 0.3812, 0.2932

Protanopia

21.9640, 0.2948, 0.3010

Deuteranopia

21.9765, 0.3299, 0.3239



Tritanopia

21.9249, 0.3984, 0.3176

Trichromacy



Original Color

21.7705, 0.3812, 0.2932

Protanomaly

21.5001, 0.3240, 0.2976

Deuteranomaly

21.6098, 0.3479, 0.3113

Tritanomaly

21.8336, 0.3918, 0.3088

Monochromacy



Original Color

21.7705, 0.3812, 0.2932

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9473, 0.3356, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7705, 0.3812, 0.2932 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(181, 106, 131)` looks like.

```
.text, #text, p{  
    color:rgb(181, 106, 131)  
}
```

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(181, 106, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 106, 131) }
```

Border

The CSS property to change the border of an element to Yxy 21.7705, 0.3812, 0.2932 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(181, 106, 131) }
```

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

```
.border{ border-color:rgb(181, 106, 131) }
```

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

Here you see how a box with a 4 pixel rgb(181, 106, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 106, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 106, 131);  
box-shadow:4px 4px 4px 4px rgb(181, 106,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7705, 0.3812, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 106, 131) }
```

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

```
.background{ background-color: rgb(181,  
106, 131) }
```

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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