

Converting Colors

$Y_{xy}(21.0742, 0.3689, 0.3002)$

Have a look what the booklet for
Yxy(21.0742, 0.3689, 0.3002)
contains.

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Color

Yxy(21.0418, 0.3701, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	AA6D80
RGB	170, 109, 128
RGB Percent	67%, 43%, 50%
CMY	0.3333, 0.5725, 0.4981
CMYK	0.00, 0.36, 0.25, 0.33
HSL	341°, 26%, 55%
HSV	341°, 36%, 67%
XYZ	25.9413, 21.0418, 23.1095
YIQ	129.4050, 30.2570, 18.8410

Conversions

Conversions Part 2

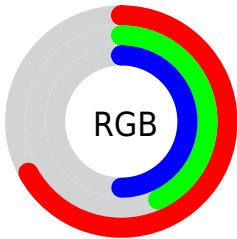
Format	Color
R_{YB}	170, 109, 128
Decimal	11169152
CIE Lab	53.00, 26.94, -0.34
CIE LCh	53, 26.939, 359.271
Yxy	21.0418, 0.3701, 0.3002
Android (android.graphics.Color)	4289359232 (0xFFAA6D80)
YUV	129.4050, -0.6927, 35.6018
Hunter-Lab	45.8713, 20.6709, 2.2402

Details

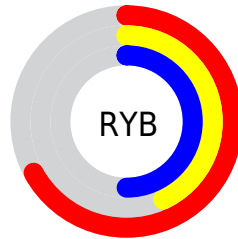
The Yxy color **21.0418, 0.3701, 0.3002** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.2361, 0.2765, 0.3603**, and the grayscale version is **22.0973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9947, 0.3566, 0.3059**, and **7.5092, 0.3927, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **17.4688, 0.3944, 0.2922**, and if you desaturate by 10%, it is **25.3539, 0.3499, 0.3085**.

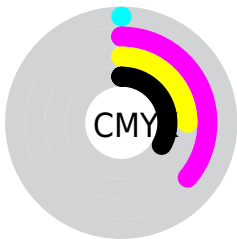
Distribution



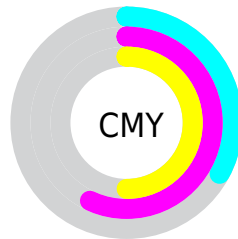
- Red (67%)
- Green (43%)
- Blue (50%)



- Red (67%)
- Yellow (43%)
- Blue (50%)



- Cyan (0%)
- Magenta (36%)
- Yellow (25%)
- Black (33%)




- Cyan (33%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0418, 0.3701, 0.3002 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 21.0418, 0.3701, 0.3002 by changing the saturation by 10% instead.


 21.0418, 0.3701,
0.3002


 21.0418, 0.3701,
0.3002


257.5006, 0.3377,
0.3165


 13.1546, 0.3797,
0.2954


 45.1571, 0.3573,
0.3066


 7.5351, 0.3933,
0.2886


 62.1539, 0.3528,
0.3089

 3.7989, 0.4135,
0.2785

 82.9561, 0.3491,
0.3107

 1.5617, 0.4471,
0.2619

 107.9480, 0.3460,
0.3123

 0.3316, 0.5775,
0.1955

137.5140, 0.3435,
0.3135

 0.0000, 0.0000,
0.0000

172.0385, 0.3413,

0.3147

211.9059, 0.3393,
0.3156

■ 21.0418, 0.3701,
0.3002

■ 21.0418, 0.3701,
0.3002

■ 17.4688, 0.3944,
0.2922

■ 25.3539, 0.3499,
0.3085

■ 14.5900, 0.4228,
0.2853

■ 30.4405, 0.3332,
0.3168

■ 12.3604, 0.4552,
0.2805

■ 36.3385, 0.3195,
0.3246

■ 10.7285, 0.4902,
0.2788


■ 43.0813, 0.3084,
0.3320

■ 9.6345, 0.5255,
0.2814


■ 50.7007, 0.2993,
0.3387


 9.0007, 0.5581,
0.2885

 59.2266, 0.2918,
0.3450

 8.8020, 0.5708,
0.2918

 68.6877, 0.2856,
0.3506

 79.1112, 0.2805,
0.3558

 85.9711, 0.2756,
0.3531

Harmonies

Analogous

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



21.0418, 0.3215, 0.2701



21.0418, 0.3701, 0.3002



21.0418, 0.4034, 0.3379

Triad

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



21.0418, 0.3701, 0.3002



21.0418, 0.3468, 0.4180



21.0418, 0.2240, 0.2717

Complementary

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



21.0418, 0.3701, 0.3002



34.2361, 0.2765, 0.3603

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.



21.0418, 0.2296, 0.3092



21.0418, 0.3701, 0.3002



21.0418, 0.2983, 0.4003

Square

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



21.0418, 0.3701, 0.3002



21.0418, 0.3881, 0.4069



21.0418, 0.2558, 0.3579



21.0418, 0.2394, 0.2528

Rectangle

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



21.0418, 0.3701, 0.3002



21.0418, 0.4109, 0.3639



21.0418, 0.2558, 0.3579



21.0418, 0.2235, 0.2823

Sweetspot

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



21.0428, 0.3701, 0.3002



60.0511, 0.3265, 0.3205



20.3903, 0.2942, 0.2359



13.0835, 0.3283, 0.3195



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.0428, 0.3701, 0.3002



32.9489, 0.3889, 0.2938



23.1287, 0.3906, 0.3464



7.5793, 0.3239, 0.3220



6.4839, 0.5679, 0.2902



0.1669, 0.4767, 0.2400

Inverse Universe

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



21.0428, 0.3701, 0.3002



32.9489, 0.3889, 0.2938



30.8874, 0.2608, 0.3106



7.5793, 0.3239, 0.3220



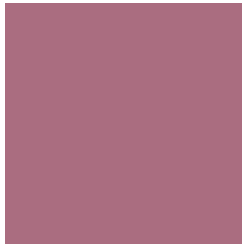
6.4839, 0.5679, 0.2902



0.1669, 0.4767, 0.2400

Previews

White Background



This preview shows how the Yxy color 21.0418, 0.3701, 0.3002 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 21.0418, 0.3701, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

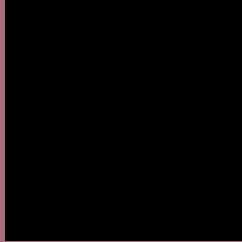
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0418, 0.3701, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 21.0418, 0.3701, 0.3002.



This preview shows how white text looks on a background with the Yxy color 21.0418, 0.3701, 0.3002.

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

21.0418, 0.3701, 0.3002

Protanopia

21.1923, 0.2998, 0.3076

Deuteranopia

21.2477, 0.3302, 0.3238



Tritanopia

21.1358, 0.3804, 0.3168

Trichromacy



Original Color

21.0418, 0.3701, 0.3002

Protanomaly

20.9050, 0.3237, 0.3052

Deuteranomaly

21.0685, 0.3440, 0.3141

Tritanomaly

20.9920, 0.3767, 0.3107

Monochromacy



Original Color

21.0418, 0.3701, 0.3002

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4333, 0.3318, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0418, 0.3701, 0.3002 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(170, 109, 128)` looks like.

```
.text, #text, p{  
    color:rgb(170, 109, 128)  
}
```

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(170, 109, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 109, 128) }
```

Border

The CSS property to change the border of an element to Yxy 21.0418, 0.3701, 0.3002 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(170, 109, 128) }
```

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

```
.border{ border-color:rgb(170, 109, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 109, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 109, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 109, 128);  
box-shadow:4px 4px 4px 4px rgb(170, 109,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0418, 0.3701, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 109, 128) }
```

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

```
.background{ background-color: rgb(170,  
109, 128) }
```

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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