

Converting Colors

$Y_{xy}(21.0083, 0.3583, 0.2826)$

Have a look what the booklet for
Yxy(21.0083, 0.3583, 0.2826)
contains.

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Color

Yxy(21.0083, 0.3583, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	AB6B8A
RGB	171, 107, 138
RGB Percent	67%, 42%, 54%
CMY	0.3295, 0.5803, 0.4588
CMYK	0.00, 0.37, 0.19, 0.33
HSL	331°, 28%, 55%
HSV	331°, 37%, 67%
XYZ	26.6358, 21.0083, 26.6953
YIQ	129.6700, 28.1930, 23.2090

Conversions

Conversions Part 2

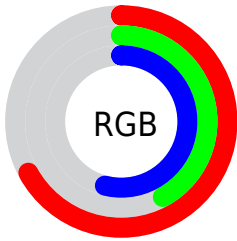
Format	Color
R_{YB}	171, 107, 138
Decimal	11234186
CIE Lab	52.96, 29.96, -6.28
CIE LCh	53, 30.615, 348.159
Yxy	21.0083, 0.3583, 0.2826
Android (android.graphics.Color)	4289424266 (0xFFAB6B8A)
YUV	129.6700, 4.1067, 36.2464
Hunter-Lab	45.8348, 23.5200, -2.4475

Details

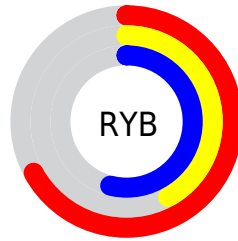
The Yxy color **21.0083, 0.3583, 0.2826** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.1372, 0.2831, 0.3812**, and the grayscale version is **22.1792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8888, 0.3484, 0.2924**, and **7.5126, 0.3756, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **17.5440, 0.3762, 0.2704**, and if you desaturate by 10%, it is **25.2002, 0.3430, 0.2954**.

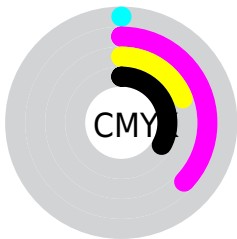
Distribution



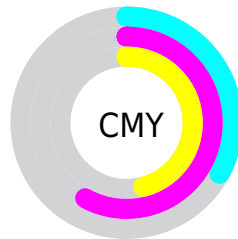
- Red (67%)
- Green (42%)
- Blue (54%)



- Red (67%)
- Yellow (42%)
- Blue (54%)



- Cyan (0%)
- Magenta (37%)
- Yellow (19%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0083, 0.3583, 0.2826 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 21.0083, 0.3583, 0.2826 by changing the saturation by 10% instead.


 21.0083, 0.3583,
0.2826


 21.0083, 0.3583,
0.2826


257.3226, 0.3329,
0.3081


 13.1301, 0.3657,
0.2754


 45.1013, 0.3484,
0.2925


 7.5182, 0.3759,
0.2655


 62.0850, 0.3449,
0.2960

 3.7882, 0.3909,
0.2513

 82.8725, 0.3420,
0.2989

 1.5558, 0.4151,
0.2290

 107.8483, 0.3396,
0.3013

 0.3275, 0.4853,
0.1501

137.3968, 0.3375,
0.3034

 0.0000, 0.0000,
0.0000

171.9025, 0.3358,

0.3051

211.7496, 0.3343,
0.3067

■ 21.0083, 0.3583,
0.2826

■ 21.0083, 0.3583,
0.2826

■ 17.5440, 0.3762,
0.2704

■ 25.2002, 0.3430,
0.2954

■ 14.7621, 0.3968,
0.2595

■ 30.1557, 0.3302,
0.3081

■ 12.6169, 0.4199,
0.2512


■ 35.9116, 0.3195,
0.3204


■ 11.0559, 0.4446,
0.2466


■ 42.5016, 0.3106,
0.3319

■ 10.0180, 0.4700,
0.2467


■ 49.9577, 0.3032,
0.3427


 9.4091, 0.4948,
0.2519

 58.3098, 0.2972,
0.3527

 9.2771, 0.5013,
0.2535

 67.5866, 0.2921,
0.3618

 77.8156, 0.2880,
0.3702

 85.2028, 0.2841,
0.3717

Harmonies

Analogous

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



21.0083, 0.3013, 0.2539



21.0083, 0.3583, 0.2826



21.0083, 0.4051, 0.3221

Triad

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



21.0083, 0.3583, 0.2826



21.0083, 0.3697, 0.4290



21.0083, 0.2126, 0.2769

Complementary

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



21.0083, 0.3583, 0.2826



34.1372, 0.2831, 0.3812

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.



21.0083, 0.2273, 0.3257



21.0083, 0.3583, 0.2826



21.0083, 0.3161, 0.4225

Square

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



21.0083, 0.3583, 0.2826



21.0083, 0.4101, 0.4052



21.0083, 0.2641, 0.3822



21.0083, 0.2213, 0.2482

Rectangle

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



21.0083, 0.3583, 0.2826



21.0083, 0.4216, 0.3511



21.0083, 0.2641, 0.3822



21.0083, 0.2149, 0.2913

Sweetspot

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



21.0093, 0.3583, 0.2826



60.2582, 0.3233, 0.3158



18.9471, 0.2797, 0.2279



13.1345, 0.3247, 0.3142



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.



21.0093, 0.3583, 0.2826



32.3458, 0.3732, 0.2723



20.2362, 0.4020, 0.3293



8.0776, 0.3213, 0.3181



7.0062, 0.4991, 0.2523



0.2060, 0.4317, 0.2152

Inverse Universe

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



21.0093, 0.3583, 0.2826



32.3458, 0.3732, 0.2723



35.1833, 0.2615, 0.3288



8.0776, 0.3213, 0.3181



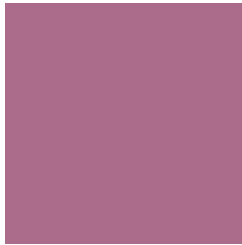
7.0062, 0.4991, 0.2523



0.2060, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 21.0083, 0.3583, 0.2826 looks on a white background.

Color Contrast Check

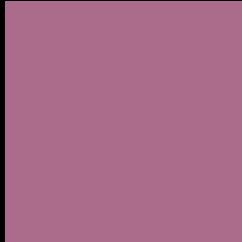
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0083, 0.3583, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

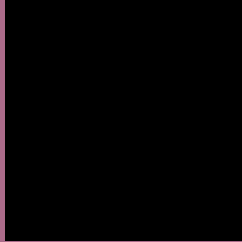
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0083, 0.3583, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 21.0083, 0.3583, 0.2826.



This preview shows how white text looks on a background with the Yxy color 21.0083, 0.3583, 0.2826.

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

21.0083, 0.3583, 0.2826

Protanopia

21.2613, 0.2833, 0.2869

Deuteranopia

21.0661, 0.3137, 0.3081



Tritanopia

20.9188, 0.3809, 0.3153

Trichromacy



Original Color

21.0083, 0.3583, 0.2826

Protanomaly

20.8444, 0.3076, 0.2837

Deuteranomaly

20.7961, 0.3293, 0.2975

Tritanomaly

20.9897, 0.3728, 0.3032

Monochromacy



Original Color

21.0083, 0.3583, 0.2826

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6323, 0.3283, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0083, 0.3583, 0.2826 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(171, 107, 138)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 138)  
}
```

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(171, 107, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 138) }
```

Border

The CSS property to change the border of an element to Yxy 21.0083, 0.3583, 0.2826 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(171, 107, 138) }
```

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

```
.border{ border-color:rgb(171, 107, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 138);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0083, 0.3583, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 138) }
```

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

```
.background{ background-color: rgb(171,  
107, 138) }
```

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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