

Converting Colors

$Y_{xy}(22.9447, 0.3452, 0.2827)$

Have a look what the booklet for
Yxy(22.9447, 0.3452, 0.2827)
contains.

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Color

Yxy(22.9947, 0.3460, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	AB7392
RGB	171, 115, 146
RGB Percent	67%, 45%, 57%
CMY	0.3294, 0.5490, 0.4275
CMYK	0.00, 0.33, 0.15, 0.33
HSL	327°, 25%, 56%
HSV	327°, 33%, 67%
XYZ	28.1137, 22.9947, 30.1450
YIQ	135.2780, 23.4250, 21.5130

Conversions

Conversions Part 2

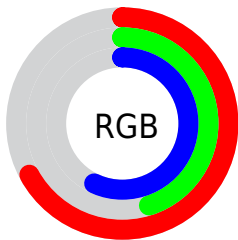
Format	Color
R_{YB}	171, 115, 146
Decimal	11236242
CIE Lab	55.07, 26.82, -7.82
CIE LCh	55, 27.937, 343.740
Yxy	22.9947, 0.3460, 0.2830
Android (android.graphics.Color)	4289426322 (0xFFAB7392)
YUV	135.2780, 5.2859, 31.3282
Hunter-Lab	47.9528, 20.7332, -3.7051

Details

The Yxy color $22.9947, 0.3460, 0.2830$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.6674, 0.2893, 0.3803$, and the grayscale version is $24.3111, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5063, 0.3387, 0.2928$, and $8.5925, 0.3576, 0.2665$ is the 20% darker color. If you saturate the color by 10%, you get $19.2208, 0.3603, 0.2688$, and if you desaturate by 10%, it is $27.5100, 0.3338, 0.2975$.

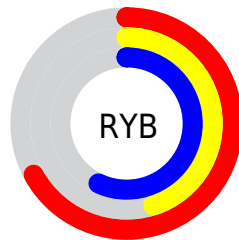
Distribution



Red (67%)

Green (45%)

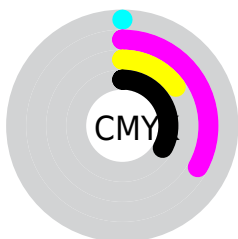
Blue (57%)



Red (67%)

Yellow (45%)

Blue (57%)

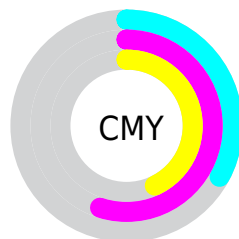


Cyan (0%)

Magenta (33%)

Yellow (15%)

Black (33%)



Cyan (33%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9947, 0.3460, 0.2830 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 22.9947, 0.3460, 0.2830 by changing the saturation by 10% instead.


 22.9947, 0.3460,
0.2830


 22.9947, 0.3460,
0.2830


267.6978, 0.3278,
0.3078

 14.5896, 0.3511,
0.2761


 48.3846, 0.3390,
0.2925

 8.5319, 0.3581,
0.2668

 66.1382, 0.3365,
0.2959

 4.4371, 0.3681,
0.2537


 87.7768, 0.3344,
0.2988

 1.9210, 0.3838,
0.2335

 113.6847, 0.3327,
0.3012

 0.5609, 0.4168,
0.1889

144.2464, 0.3312,
0.3032

 0.0000, 1.0000,
0.0000

179.8462, 0.3299,

 0.0000, 0.0000,

0.3050

0.0000

220.8685, 0.3288,
0.3065

■ 22.9947, 0.3460,
0.2830

■ 22.9947, 0.3460,
0.2830

■ 19.2208, 0.3603,
0.2688

■ 27.5100, 0.3338,
0.2975

■ 16.1449, 0.3767,
0.2556

■ 32.8009, 0.3235,
0.3118

■ 13.7236, 0.3952,
0.2444


■ 38.9032, 0.3148,
0.3254


■ 11.9076, 0.4153,
0.2364


■ 45.8495, 0.3076,
0.3382


■ 10.6403, 0.4363,
0.2328

■ 53.6707, 0.3017,
0.3501

 9.8543, 0.4573,
0.2342

 62.3959, 0.2967,
0.3612

 9.4778, 0.4724,
0.2376

 72.0532, 0.2926,
0.3713

 82.6693, 0.2892,
0.3806

 85.0718, 0.2854,
0.3748

Harmonies

Analogous

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



22.9947, 0.2956, 0.2589



22.9947, 0.3460, 0.2830



22.9947, 0.3896, 0.3177

Triad

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



22.9947, 0.3460, 0.2830



22.9947, 0.3703, 0.4160



22.9947, 0.2236, 0.2887

Complementary

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



22.9947, 0.3460, 0.2830



34.6674, 0.2893, 0.3803

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.



22.9947, 0.2403, 0.3339



22.9947, 0.3460, 0.2830



22.9947, 0.3235, 0.4139

Square

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



22.9947, 0.3460, 0.2830



22.9947, 0.4030, 0.3931



22.9947, 0.2761, 0.3824



22.9947, 0.2284, 0.2597

Rectangle

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



22.9947, 0.3460, 0.2830



22.9947, 0.4069, 0.3438



22.9947, 0.2761, 0.3824



22.9947, 0.2268, 0.3024

Sweetspot

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



22.9958, 0.3460, 0.2830



61.4098, 0.3211, 0.3153



20.7151, 0.2806, 0.2405



13.3761, 0.3223, 0.3134



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.



22.9958, 0.3460, 0.2830



36.3527, 0.3557, 0.2730



22.2464, 0.3816, 0.3235



8.0867, 0.3203, 0.3165



7.1550, 0.4705, 0.2365



0.2099, 0.4140, 0.2054

Inverse Universe

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



22.9958, 0.3460, 0.2830



36.3527, 0.3557, 0.2730



35.5734, 0.2695, 0.3348



8.0867, 0.3203, 0.3165



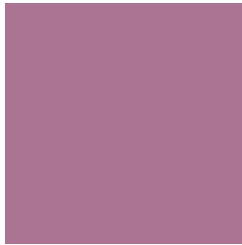
7.1550, 0.4705, 0.2365



0.2099, 0.4140, 0.2054

Previews

White Background



This preview shows how the Yxy color 22.9947, 0.3460, 0.2830 looks on a white background.

Color Contrast Check

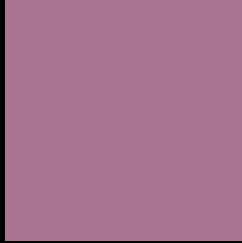
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9947, 0.3460, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

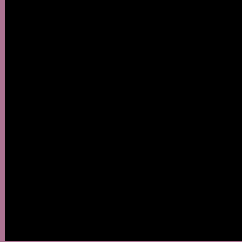
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9947, 0.3460, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 22.9947, 0.3460, 0.2830.



This preview shows how white text looks on a background with the Yxy color 22.9947, 0.3460, 0.2830.

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

22.9947, 0.3460, 0.2830

Protanopia

23.1449, 0.2833, 0.2867

Deuteranopia

23.0274, 0.3094, 0.3023



Tritanopia

22.9242, 0.3669, 0.3154

Trichromacy



Original Color

22.9947, 0.3460, 0.2830

Protanomaly

22.7739, 0.3044, 0.2850

Deuteranomaly

22.7896, 0.3215, 0.2936

Tritanomaly

22.9899, 0.3595, 0.3033

Monochromacy



Original Color

22.9947, 0.3460, 0.2830

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5983, 0.3241, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9947, 0.3460, 0.2830 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, 115, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 115, 146)  
}
```

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, 115, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 115, 146) }
```

Border

The CSS property to change the border of an element to Yxy 22.9947, 0.3460, 0.2830 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, 115, 146) }
```

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

```
.border{ border-color:rgb(171, 115, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 115, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 115, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 115, 146);  
box-shadow:4px 4px 4px 4px rgb(171, 115,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9947, 0.3460, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 115, 146) }
```

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

```
.background{ background-color: rgb(171,  
115, 146) }
```

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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