

Converting Colors

$Y_{xy}(23.6713, 0.3386, 0.2850)$

Have a look what the booklet for
Yxy(23.6713, 0.3386, 0.2850)
contains.

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Color

Yxy(23.6566, 0.3391, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	A87794
RGB	168, 119, 148
RGB Percent	66%, 47%, 58%
CMY	0.3410, 0.5334, 0.4196
CMYK	0.00, 0.29, 0.12, 0.34
HSL	325°, 22%, 56%
HSV	325°, 29%, 66%
XYZ	28.0979, 23.6566, 31.1057
YIQ	136.9570, 19.8950, 19.4070

Conversions

Conversions Part 2

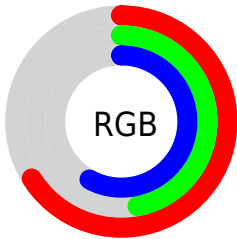
Format	Color
R_{YB}	168, 119, 148
Decimal	11040660
CIE _{Lab}	55.74, 23.85, -8.03
CIE _{LCh}	56, 25.161, 341.394
Yxy	23.6566, 0.3391, 0.2855
Android (android.graphics.Color)	4289230740 (0xFFA87794)
YUV	136.9570, 5.4442, 27.2247
Hunter-Lab	48.6381, 18.0018, -3.8714

Details

The Yxy color **23.6566, 0.3391, 0.2855** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.8068, 0.2931, 0.3771**, and the grayscale version is **24.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6166, 0.3337, 0.2949**, and **8.8882, 0.3489, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **19.7950, 0.3514, 0.2702**, and if you desaturate by 10%, it is **28.2404, 0.3286, 0.3009**.

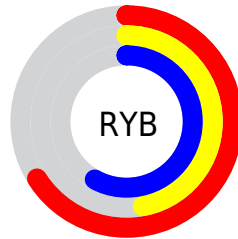
Distribution



Red (66%)

Green (47%)

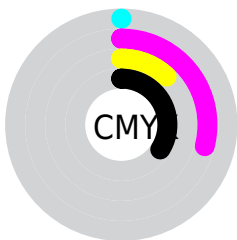
Blue (58%)



Red (66%)

Yellow (47%)

Blue (58%)

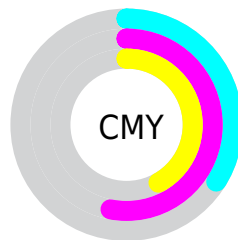


Cyan (0%)

Magenta (29%)

Yellow (12%)

Black (34%)



Cyan (34%)


Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6566, 0.3391, 0.2855 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 23.6566, 0.3391, 0.2855 by changing the saturation by 10% instead.


 23.6566, 0.3391,
0.2855


 23.6566, 0.3391,
0.2855


271.0797, 0.3248,
0.3089


 15.0791, 0.3431,
0.2790


 49.4692, 0.3336,
0.2945

 8.8749, 0.3485,
0.2703


 67.4731, 0.3316,
0.2977

 4.6597, 0.3562,
0.2580


 89.3880, 0.3300,
0.3004

 2.0490, 0.3681,
0.2392

115.5981, 0.3286,
0.3026

 0.6357, 0.3917,
0.2015

146.4880, 0.3275,
0.3045

 0.0000, 0.7363,
0.0000

182.4419, 0.3265,

 0.0000, 0.0000,

0.3062

0.0000

223.8444, 0.3256,
0.3077

■ 23.6566, 0.3391,
0.2855

■ 23.6566, 0.3391,
0.2855

■ 19.7950, 0.3514,
0.2702

■ 28.2404, 0.3286,
0.3009

■ 16.6149, 0.3656,
0.2557

■ 33.5779, 0.3196,
0.3159

■ 14.0765, 0.3815,
0.2428

■ 39.7026, 0.3122,
0.3301

■ 12.1344, 0.3990,
0.2328

■ 46.6452, 0.3059,
0.3435

■ 10.7375, 0.4175,
0.2266

■ 54.4345, 0.3007,
0.3559

■ 9.8254, 0.4362,
0.2253

■ 63.0981, 0.2964,
0.3674

■ 9.2786, 0.4548,
0.2284

■ 72.6621, 0.2928,
0.3779

■ 9.2386, 0.4563,
0.2287

■ 83.1519, 0.2898,
0.3876

■ 84.4913, 0.2864,
0.3809

Harmonies

Analogous

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



23.6566, 0.2943, 0.2646



23.6566, 0.3391, 0.2855



23.6566, 0.3787, 0.3165

Triad

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



23.6566, 0.3391, 0.2855



23.6566, 0.3674, 0.4058



23.6566, 0.2330, 0.2961

Complementary

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



23.6566, 0.3391, 0.2855



33.8068, 0.2931, 0.3771

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.



23.6566, 0.2497, 0.3371



23.6566, 0.3391, 0.2855



23.6566, 0.3263, 0.4052

Square

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



23.6566, 0.3391, 0.2855



23.6566, 0.3949, 0.3847



23.6566, 0.2833, 0.3792



23.6566, 0.2357, 0.2684

Rectangle

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



23.6566, 0.3391, 0.2855



23.6566, 0.3953, 0.3401



23.6566, 0.2833, 0.3792



23.6566, 0.2365, 0.3088

Sweetspot

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



23.6577, 0.3391, 0.2855



60.9283, 0.3196, 0.3159



21.4736, 0.2831, 0.2507



12.9654, 0.3208, 0.3138



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.6577, 0.3391, 0.2855



38.2442, 0.3468, 0.2756



22.9717, 0.3694, 0.3216



7.6140, 0.3197, 0.3157



6.9830, 0.4546, 0.2278



0.1797, 0.4000, 0.1977

Inverse Universe

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



23.6577, 0.3391, 0.2855



38.2442, 0.3468, 0.2756



34.5914, 0.2749, 0.3367



7.6140, 0.3197, 0.3157



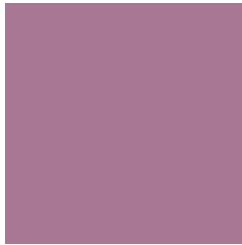
6.9830, 0.4546, 0.2278



0.1797, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 23.6566, 0.3391, 0.2855 looks on a white background.

Color Contrast Check

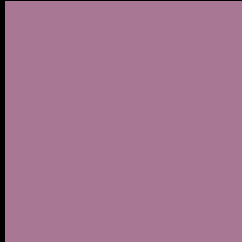
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6566, 0.3391, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

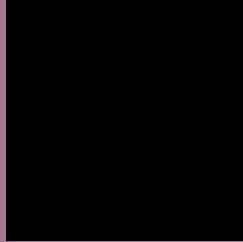
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6566, 0.3391, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 23.6566, 0.3391, 0.2855.



This preview shows how white text looks on a background with the Yxy color 23.6566, 0.3391, 0.2855.

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

23.6566, 0.3391, 0.2855

Protanopia

23.8765, 0.2846, 0.2888

Deuteranopia

23.7033, 0.3083, 0.3025



Tritanopia

23.6648, 0.3567, 0.3152

Trichromacy



Original Color

23.6566, 0.3391, 0.2855

Protanomaly

23.6111, 0.3023, 0.2869

Deuteranomaly

23.6076, 0.3190, 0.2954

Tritanomaly

23.6964, 0.3508, 0.3046

Monochromacy



Original Color

23.6566, 0.3391, 0.2855

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1843, 0.3216, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6566, 0.3391, 0.2855 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(168, 119, 148)` looks like.

```
.text, #text, p{  
    color:rgb(168, 119, 148)  
}
```

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(168, 119, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 119, 148) }
```

Border

The CSS property to change the border of an element to Yxy 23.6566, 0.3391, 0.2855 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(168, 119, 148) }
```

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

```
.border{ border-color:rgb(168, 119, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 119, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 119, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 119, 148);  
box-shadow:4px 4px 4px 4px rgb(168, 119,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6566, 0.3391, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 119, 148) }
```

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

```
.background{ background-color: rgb(168,  
119, 148) }
```

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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