

Converting Colors

$Y_{xy}(26.1071, 0.3432, 0.2841)$

Have a look what the booklet for
Yxy(26.1071, 0.3432, 0.2841)
contains.

Yxy(26.1162, 0.3430, 0.2836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.1162, 0.3430, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	B37B9B
RGB	179, 123, 155
RGB Percent	70%, 48%, 61%
CMY	0.2981, 0.5176, 0.3922
CMYK	0.00, 0.31, 0.13, 0.30
HSL	326°, 27%, 59%
HSV	326°, 31%, 70%
XYZ	31.5862, 26.1162, 34.3857
YIQ	143.3920, 23.1040, 21.8240

Conversions

Conversions Part 2

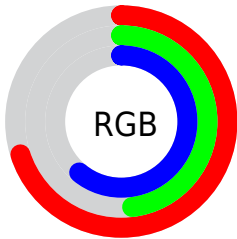
Format	Color
RYB	179, 123, 155
Decimal	11762587
CIELab	58.15, 26.73, -8.36
CIELCh	58, 28.006, 342.637
Yxy	26.1162, 0.3430, 0.2836
Android (android.graphics.Color)	4289952667 (0xFFB37B9B)
YUV	143.3920, 5.7227, 31.2282
Hunter-Lab	51.1040, 20.8948, -4.1209

Details

The Yxy color **26.1162, 0.3430, 0.2836** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.5510, 0.2909, 0.3795**, and the grayscale version is **27.6033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4870, 0.3377, 0.2931**, and **10.1245, 0.3528, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **21.8252, 0.3565, 0.2688**, and if you desaturate by 10%, it is **31.2378, 0.3315, 0.2986**.

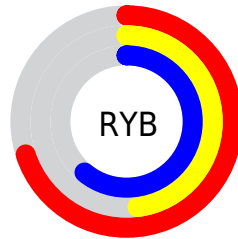
Distribution



Red (70%)

Green (48%)

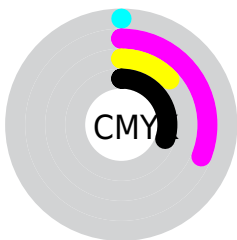
Blue (61%)



Red (70%)

Yellow (48%)

Blue (61%)

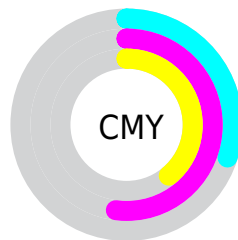


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (30%)



Cyan (30%)


Magenta (52%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1162, 0.3430, 0.2836 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 26.1162, 0.3430, 0.2836 by changing the saturation by 10% instead.


 26.1162, 0.3430,
0.2836


 26.1162, 0.3430,
0.2836

283.3520, 0.3268,
0.3076


 16.9106, 0.3474,
0.2771


 53.4623, 0.3368,
0.2927

 10.1708, 0.3533,
0.2685


 72.3717, 0.3346,
0.2960

 5.5123, 0.3617,
0.2565


 95.2844, 0.3328,
0.2987

 2.5509, 0.3743,
0.2387

122.5848, 0.3312,
0.3011

 0.9020, 0.3954,
0.2096

154.6574, 0.3299,
0.3031

 0.0000, 0.5590,
0.0000

191.8865, 0.3287,

 0.0000, 0.0000,

0.3048

0.0000

234.6566, 0.3277,
0.3063

■ 26.1162, 0.3430,
0.2836

■ 26.1162, 0.3430,
0.2836

■ 21.8252, 0.3565,
0.2688

■ 31.2378, 0.3315,
0.2986

■ 18.3166, 0.3719,
0.2549

■ 37.2276, 0.3218,
0.3133

■ 15.5428, 0.3893,
0.2430


■ 44.1253, 0.3136,
0.3273

■ 13.4495, 0.4083,
0.2342


■ 51.9670, 0.3069,
0.3404


■ 11.9746, 0.4281,
0.2295

■ 60.7868, 0.3012,
0.3527


 11.0448, 0.4482,
0.2300

 70.6172, 0.2966,
0.3640

 10.5464, 0.4654,
0.2337

 81.4892, 0.2927,
0.3743

 86.0776, 0.2889,
0.3724

 86.4845, 0.2850,
0.3635

Harmonies

Analogous

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



26.1162, 0.2947, 0.2608



26.1162, 0.3430, 0.2836



26.1162, 0.3853, 0.3169

Triad

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



26.1162, 0.3430, 0.2836



26.1162, 0.3697, 0.4122



26.1162, 0.2271, 0.2918

Complementary

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



26.1162, 0.3430, 0.2836



38.5510, 0.2909, 0.3795

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.



26.1162, 0.2439, 0.3356



26.1162, 0.3430, 0.2836



26.1162, 0.3250, 0.4109

Square

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



26.1162, 0.3430, 0.2836



26.1162, 0.4003, 0.3898



26.1162, 0.2791, 0.3816



26.1162, 0.2309, 0.2630

Rectangle

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



26.1162, 0.3430, 0.2836



26.1162, 0.4025, 0.3421



26.1162, 0.2791, 0.3816



26.1162, 0.2304, 0.3051

Sweetspot

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



26.1174, 0.3430, 0.2836



69.1681, 0.3199, 0.3163



23.5650, 0.2813, 0.2443



14.9482, 0.3212, 0.3142



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.



26.1174, 0.3430, 0.2836



40.9786, 0.3527, 0.2726



25.3009, 0.3765, 0.3224



8.5839, 0.3201, 0.3161



7.4676, 0.4632, 0.2326



0.2464, 0.4136, 0.2052

Inverse Universe

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



26.1174, 0.3430, 0.2836



40.9786, 0.3527, 0.2726



39.5129, 0.2717, 0.3359



8.5839, 0.3201, 0.3161



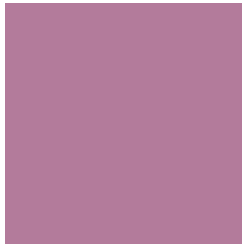
7.4676, 0.4632, 0.2326



0.2464, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 26.1162, 0.3430, 0.2836 looks on a white background.

Color Contrast Check

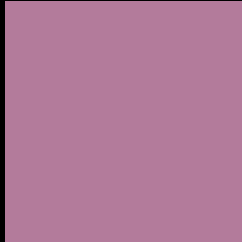
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1162, 0.3430, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

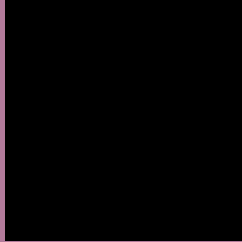
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1162, 0.3430, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 26.1162, 0.3430, 0.2836.



This preview shows how white text looks on a background with the Yxy color 26.1162, 0.3430, 0.2836.

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

26.1162, 0.3430, 0.2836

Protanopia

26.3327, 0.2838, 0.2873

Deuteranopia

26.2041, 0.3085, 0.3020



Tritanopia

26.0464, 0.3627, 0.3145

Trichromacy



Original Color

26.1162, 0.3430, 0.2836

Protanomaly

25.9276, 0.3038, 0.2856

Deuteranomaly

25.9366, 0.3200, 0.2938

Tritanomaly

26.1154, 0.3557, 0.3030

Monochromacy



Original Color

26.1162, 0.3430, 0.2836

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.7828, 0.3235, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1162, 0.3430, 0.2836 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(179, 123, 155)` looks like.

```
.text, #text, p{  
    color:rgb(179, 123, 155)  
}
```

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(179, 123, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 123, 155) }
```

Border

The CSS property to change the border of an element to Yxy 26.1162, 0.3430, 0.2836 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(179, 123, 155) }
```

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

```
.border{ border-color:rgb(179, 123, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 123, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 123, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 123, 155); box-shadow:4px 4px 4px 4px rgb(179, 123, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1162, 0.3430, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 123, 155) }
```

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

```
.background{ background-color: rgb(179,  
123, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor