

Converting Colors

$Y_{xy}(18.6441, 0.3431, 0.2831)$

Have a look what the booklet for
Yxy(18.6441, 0.3431, 0.2831)
contains.

Yxy(18.6666, 0.3432, 0.2833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6666, 0.3432, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	9A6985
RGB	154, 105, 133
RGB Percent	60%, 41%, 52%
CMY	0.3961, 0.5882, 0.4783
CMYK	0.00, 0.32, 0.14, 0.40
HSL	326°, 20%, 51%
HSV	326°, 32%, 60%
XYZ	22.6134, 18.6666, 24.6099
YIQ	122.8430, 20.2160, 19.0960

Conversions

Conversions Part 2

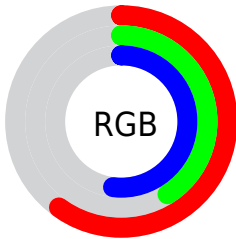
Format	Color
R_{YB}	154, 105, 133
Decimal	10119557
CIE _{Lab}	50.29, 24.07, -7.53
CIE _{LCh}	50, 25.218, 342.635
Yxy	18.6666, 0.3432, 0.2833
Android (android.graphics.Color)	4288309637 (0xFF9A6985)
YUV	122.8430, 5.0074, 27.3247
Hunter-Lab	43.2049, 17.8183, -3.5287

Details

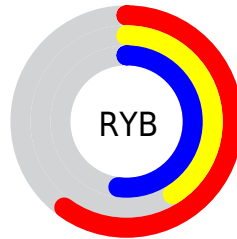
The Yxy color **18.6666, 0.3432, 0.2833** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.6216, 0.2908, 0.3799**, and the grayscale version is **19.7318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2144, 0.3364, 0.2937**, and **6.3911, 0.3544, 0.2651** is the 20% darker color. If you saturate the color by 10%, you get **15.6327, 0.3565, 0.2687**, and if you desaturate by 10%, it is **22.2818, 0.3318, 0.2981**.

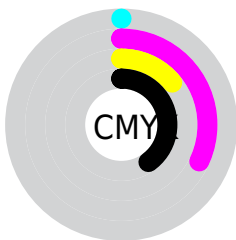
Distribution



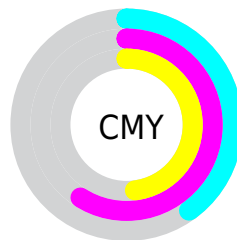
- Red (60%)
- Green (41%)
- Blue (52%)



- Red (60%)
- Yellow (41%)
- Blue (52%)



- Cyan (0%)
- Magenta (32%)
- Yellow (14%)
- Black (40%)




- Cyan (40%)
- Magenta (59%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6666, 0.3432, 0.2833 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 18.6666, 0.3432, 0.2833 by changing the saturation by 10% instead.


 18.6666, 0.3432,
0.2833


 18.6666, 0.3432,
0.2833


244.6020, 0.3261,
0.3088

 11.4296, 0.3483,
0.2759


 41.1700, 0.3364,
0.2933

 6.3566, 0.3553,
0.2657


 57.2051, 0.3341,
0.2968

 3.0631, 0.3659,
0.2506

 76.9418, 0.3321,
0.2997

 1.1648, 0.3832,
0.2263

 100.7645, 0.3305,
0.3021

 0.0326, 0.5100,
0.0269

129.0574, 0.3291,
0.3041

 0.0000, 0.0000,
0.0000

162.2050, 0.3280,

0.3059

200.5917, 0.3270,
0.3074

■ 18.6666, 0.3432,
0.2833

■ 18.6666, 0.3432,
0.2833

■ 15.6327, 0.3565,
0.2687

■ 22.2818, 0.3318,
0.2981

■ 13.1466, 0.3718,
0.2550

■ 26.5042, 0.3221,
0.3127

■ 11.1754, 0.3889,
0.2432


■ 31.3615, 0.3140,
0.3266

■ 9.6814, 0.4076,
0.2343


■ 36.8787, 0.3073,
0.3396


■ 8.6220, 0.4272,
0.2296

■ 43.0795, 0.3016,
0.3518

 7.9466, 0.4470,
0.2297

 49.9864, 0.2969,
0.3630

 7.5762, 0.4632,
0.2325

 57.6210, 0.2931,
0.3734

 66.0039, 0.2898,
0.3829

 75.1547, 0.2871,
0.3915

Harmonies

Analogous

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



18.6666, 0.2945, 0.2603



18.6666, 0.3432, 0.2833



18.6666, 0.3858, 0.3168

Triad

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



18.6666, 0.3432, 0.2833



18.6666, 0.3700, 0.4128



18.6666, 0.2265, 0.2915

Complementary

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



18.6666, 0.3432, 0.2833



27.6216, 0.2908, 0.3799

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.



18.6666, 0.2435, 0.3356



18.6666, 0.3432, 0.2833



18.6666, 0.3251, 0.4115

Square

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



18.6666, 0.3432, 0.2833



18.6666, 0.4009, 0.3901



18.6666, 0.2789, 0.3820



18.6666, 0.2303, 0.2625

Rectangle

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



18.6666, 0.3432, 0.2833



18.6666, 0.4032, 0.3421



18.6666, 0.2789, 0.3820



18.6666, 0.2299, 0.3049

Sweetspot

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



18.6675, 0.3432, 0.2833



49.4944, 0.3207, 0.3150



16.8276, 0.2811, 0.2438



10.9553, 0.3219, 0.3131



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.6675, 0.3432, 0.2833



29.9741, 0.3522, 0.2731



18.0792, 0.3770, 0.3223



6.2789, 0.3199, 0.3163



6.1794, 0.4618, 0.2317



0.0997, 0.3891, 0.1917

Inverse Universe

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



18.6675, 0.3432, 0.2833



29.9741, 0.3522, 0.2731



28.3152, 0.2715, 0.3360



6.2789, 0.3199, 0.3163



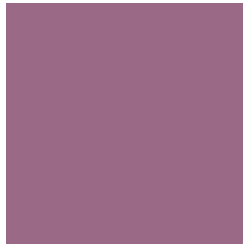
6.1794, 0.4618, 0.2317



0.0997, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 18.6666, 0.3432, 0.2833 looks on a white background.

Color Contrast Check

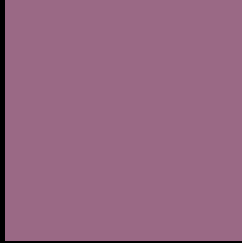
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6666, 0.3432, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

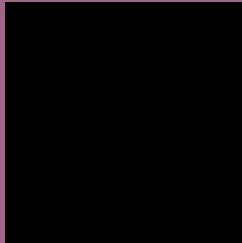
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6666, 0.3432, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 18.6666, 0.3432, 0.2833.



This preview shows how white text looks on a background with the Yxy color 18.6666, 0.3432, 0.2833.

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

18.6666, 0.3432, 0.2833

Protanopia

18.7915, 0.2828, 0.2865

Deuteranopia

18.8733, 0.3089, 0.3035



Tritanopia

18.6615, 0.3631, 0.3157

Trichromacy



Original Color

18.6666, 0.3432, 0.2833

Protanomaly

18.5658, 0.3023, 0.2845

Deuteranomaly

18.7946, 0.3207, 0.2957

Tritanomaly

18.6928, 0.3564, 0.3041

Monochromacy



Original Color

18.6666, 0.3432, 0.2833

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0914, 0.3226, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6666, 0.3432, 0.2833 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(154, 105, 133)` looks like.

```
.text, #text, p{  
    color:rgb(154, 105, 133)  
}
```

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(154, 105, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 105, 133) }
```

Border

The CSS property to change the border of an element to Yxy 18.6666, 0.3432, 0.2833 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(154, 105, 133) }
```

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

```
.border{ border-color:rgb(154, 105, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 105, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 105, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 105, 133);  
box-shadow:4px 4px 4px 4px rgb(154, 105,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6666, 0.3432, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 105, 133) }
```

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

```
.background{ background-color: rgb(154,  
105, 133) }
```

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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