

Converting Colors

$Yxy(18.6974, 0.3162, 0.2826)$

Have a look what the booklet for
Yxy(18.6974, 0.3162, 0.2826)
contains.

Yxy(18.6928, 0.3162, 0.2825)	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(18.6928, 0.3162, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	8B6F8A
RGB	139, 111, 138
RGB Percent	55%, 44%, 54%
CMY	0.4548, 0.5647, 0.4588
CMYK	0.00, 0.20, 0.01, 0.45
HSL	302°, 11%, 49%
HSV	302°, 20%, 55%
XYZ	20.9227, 18.6928, 26.5537
YIQ	122.4500, 8.0210, 14.3330

Conversions

Conversions Part 2

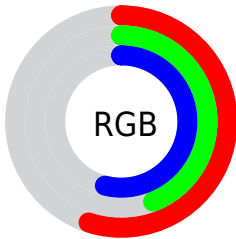
Format	Color
R_{YB}	139, 111, 138
Decimal	9138058
CIE _{Lab}	50.33, 16.01, -10.60
CIE _{LCh}	50, 19.203, 326.498
Yxy	18.6928, 0.3162, 0.2825
Android (android.graphics.Color)	4287328138 (0xFF8B6F8A)
YUV	122.4500, 7.6662, 14.5144
Hunter-Lab	43.2352, 10.7196, -6.1495

Details

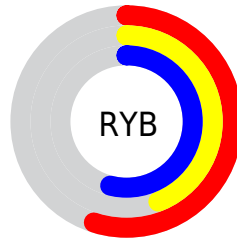
The Yxy color **18.6928, 0.3162, 0.2825** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.0211, 0.3092, 0.3804**, and the grayscale version is **19.5905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2934, 0.3162, 0.2935**, and **6.3834, 0.3177, 0.2648** is the 20% darker color. If you saturate the color by 10%, you get **15.8779, 0.3181, 0.2592**, and if you desaturate by 10%, it is **21.9816, 0.3144, 0.3059**.

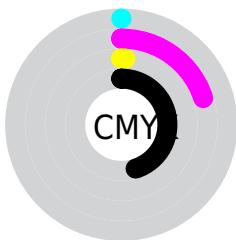
Distribution



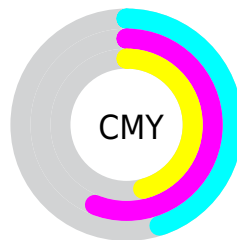
- Red (55%)
- Green (44%)
- Blue (54%)



- Red (55%)
- Yellow (44%)
- Blue (54%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (45%)





- Cyan (45%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6928, 0.3162, 0.2825 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 18.6928, 0.3162, 0.2825 by changing the saturation by 10% instead.


 18.6928, 0.3162,
0.2825


 18.6928, 0.3162,
0.2825


244.7476, 0.3146,
0.3084


 11.4485, 0.3165,
0.2750


 41.2144, 0.3156,
0.2927

 6.3694, 0.3169,
0.2645


 57.2604, 0.3154,
0.2962

 3.0710, 0.3172,
0.2492

 77.0092, 0.3152,
0.2992

 1.1689, 0.3169,
0.2244

 100.8451, 0.3151,
0.3016

 0.0361, 0.3425,
0.0291

129.1524, 0.3149,
0.3037

 0.0000, 0.0000,
0.0000

162.3157, 0.3148,

0.3055

200.7193, 0.3147,
0.3071

■ 18.6928, 0.3162,
0.2825

■ 18.6928, 0.3162,
0.2825

■ 15.8779, 0.3181,
0.2592

■ 21.9816, 0.3144,
0.3059

■ 13.5126, 0.3200,
0.2366

■ 25.7622, 0.3127,
0.3286

■ 11.5744, 0.3220,
0.2157


■ 30.0547, 0.3112,
0.3504


■ 10.0375, 0.3239,
0.1973

■ 34.8770, 0.3098,
0.3709

■ 8.8737, 0.3257,
0.1821


■ 40.2466, 0.3086,
0.3900

 8.0508, 0.3273,
0.1708


 46.1799, 0.3075,
0.4076

 7.5314, 0.3287,
0.1635

 52.6927, 0.3065,
0.4236

 7.2122, 0.3299,
0.1591

 59.8001, 0.3057,
0.4382

 67.5168, 0.3049,
0.4515

Harmonies

Analogous

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



18.6928, 0.2810, 0.2706



18.6928, 0.3162, 0.2825



18.6928, 0.3523, 0.3051

Triad

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



18.6928, 0.3162, 0.2825



18.6928, 0.3715, 0.3861



18.6928, 0.2512, 0.3183

Complementary

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



18.6928, 0.3162, 0.2825



23.0211, 0.3092, 0.3804

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.



18.6928, 0.2730, 0.3537



18.6928, 0.3162, 0.2825



18.6928, 0.3422, 0.3944

Square

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



18.6928, 0.3162, 0.2825



18.6928, 0.3851, 0.3633



18.6928, 0.3060, 0.3827



18.6928, 0.2451, 0.2889

Rectangle

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



18.6928, 0.3162, 0.2825



18.6928, 0.3713, 0.3240



18.6928, 0.3060, 0.3827



18.6928, 0.2569, 0.3300

Sweetspot

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



18.6936, 0.3162, 0.2825



41.9716, 0.3137, 0.3151



16.6721, 0.2815, 0.2758



9.5862, 0.3138, 0.3139



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.6936, 0.3162, 0.2825



31.1657, 0.3170, 0.2723



18.3154, 0.3337, 0.3059



5.1259, 0.3142, 0.3082



6.5075, 0.3299, 0.1591



0.0437, 0.3250, 0.1564

Inverse Universe

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



18.6936, 0.3162, 0.2825



31.1657, 0.3170, 0.2723



23.3560, 0.2958, 0.3533



5.1259, 0.3142, 0.3082



6.5075, 0.3299, 0.1591



0.0437, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 18.6928, 0.3162, 0.2825 looks on a white background.

Color Contrast Check

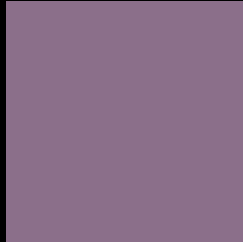
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6928, 0.3162, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

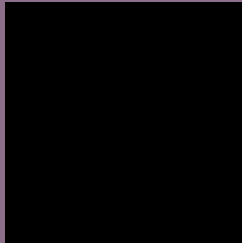
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6928, 0.3162, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 18.6928, 0.3162, 0.2825.



This preview shows how white text looks on a background with the Yxy color 18.6928, 0.3162, 0.2825.

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

18.6928, 0.3162, 0.2825

Protanopia

18.8217, 0.2818, 0.2848

Deuteranopia

18.8138, 0.2985, 0.2926



Tritanopia

18.7831, 0.3318, 0.3130

Trichromacy



Original Color

18.6928, 0.3162, 0.2825

Protanomaly

18.6990, 0.2941, 0.2840

Deuteranomaly

18.7347, 0.3046, 0.2897

Tritanomaly

18.7720, 0.3270, 0.3026

Monochromacy



Original Color

18.6928, 0.3162, 0.2825

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1046, 0.3136, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6928, 0.3162, 0.2825 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(139, 111, 138)` looks like.

```
.text, #text, p{  
    color:rgb(139, 111, 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(139, 111, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 111, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.6928, 0.3162, 0.2825 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(139, 111, 138) }
```

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

```
.border{ border-color:rgb(139, 111, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 111, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 111, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 111, 138);  
box-shadow:4px 4px 4px 4px rgb(139, 111,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6928, 0.3162, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 111, 138) }
```

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

```
.background{ background-color: rgb(139,  
111, 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](#).

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