

Converting Colors

$Y_{xy}(21.7250, 0.3112, 0.2964)$

Have a look what the booklet for
Yxy(21.7250, 0.3112, 0.2964)
contains.

Yxy(21.6944, 0.3118, 0.2970)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6944, 0.3118, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	8C7B8E
RGB	140, 123, 142
RGB Percent	55%, 48%, 56%
CMY	0.4511, 0.5176, 0.4432
CMYK	0.01, 0.13, 0.00, 0.44
HSL	294°, 8%, 52%
HSV	294°, 13%, 56%
XYZ	22.7755, 21.6944, 28.5753
YIQ	130.2490, 4.0330, 9.5130

Conversions

Conversions Part 2

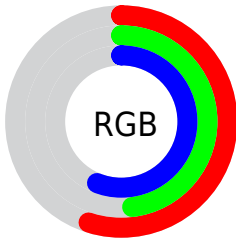
Format	Color
R _Y B	140, 123, 142
Decimal	9206670
CIE Lab	53.70, 10.12, -7.87
CIE LCh	54, 12.825, 322.128
Yxy	21.6944, 0.3118, 0.2970
Android (android.graphics.Color)	4287396750 (0xFF8C7B8E)
YUV	130.2490, 5.7932, 8.5516
Hunter-Lab	46.5772, 5.7732, -3.7705

Details

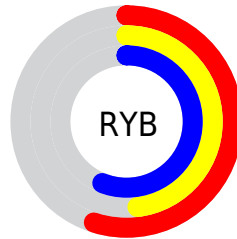
The Yxy color $21.6944, 0.3118, 0.2970$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.1381, 0.3133, 0.3627$, and the grayscale version is $22.3930, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.1148, 0.3122, 0.3028$, and $7.8439, 0.3112, 0.2839$ is the 20% darker color. If you saturate the color by 10%, you get $18.2926, 0.3108, 0.2722$, and if you desaturate by 10%, it is $25.6110, 0.3125, 0.3211$.

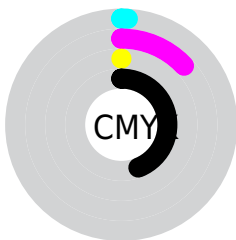
Distribution



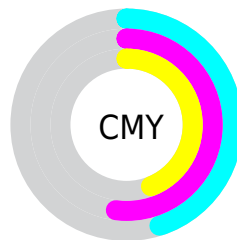
- Red (55%)
- Green (48%)
- Blue (56%)



- Red (55%)
- Yellow (48%)
- Blue (56%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (44%)



- Cyan (45%)
- Magenta (52%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6944, 0.3118, 0.2970 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 21.6944, 0.3118, 0.2970 by changing the saturation by 10% instead.


 21.6944, 0.3118,
0.2970

 21.6944, 0.3118,
0.2970


260.9462, 0.3125,
0.3147


 13.6325, 0.3115,
0.2919


 46.2404, 0.3121,
0.3039

 7.8655, 0.3111,
0.2850


 63.4933, 0.3122,
0.3063

 4.0090, 0.3104,
0.2748

 84.5786, 0.3123,
0.3083

 1.6786, 0.3089,
0.2586

109.8809, 0.3123,
0.3100

 0.4098, 0.3116,
0.2005

139.7843, 0.3124,
0.3114

 0.0000, 0.0000,
0.0000

174.6734, 0.3124,

0.3127

214.9326, 0.3124,
0.3137

■ 21.6944, 0.3118,
0.2970

■ 21.6944, 0.3118,
0.2970

■ 18.2926, 0.3108,
0.2722

■ 25.6110, 0.3125,
0.3211

■ 15.3807, 0.3096,
0.2474

■ 30.0600, 0.3130,
0.3441

■ 12.9363, 0.3080,
0.2233

■ 35.0620, 0.3133,
0.3657

■ 10.9340, 0.3061,
0.2009

■ 40.6353, 0.3135,
0.3857

■ 9.3458, 0.3040,
0.1811

■ 46.7976, 0.3135,
0.4041

■ 8.1408, 0.3016,
0.1647

■ 53.5658, 0.3134,
0.4208

■ 7.2835, 0.2991,
0.1523

■ 60.9559, 0.3133,
0.4360

■ 6.7317, 0.2964,
0.1440

■ 68.9836, 0.3131,
0.4498

■ 6.4495, 0.2947,
0.1397

■ 77.6639, 0.3129,
0.4621

Harmonies

Analogous

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



21.6944, 0.2897, 0.2905



21.6944, 0.3118, 0.2970



21.6944, 0.3349, 0.3112

Triad

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



21.6944, 0.3118, 0.2970



21.6944, 0.3522, 0.3642



21.6944, 0.2745, 0.3260

Complementary

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



21.6944, 0.3118, 0.2970



25.1381, 0.3133, 0.3627

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.



21.6944, 0.2902, 0.3476



21.6944, 0.3118, 0.2970



21.6944, 0.3351, 0.3701

Square

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



21.6944, 0.3118, 0.2970



21.6944, 0.3587, 0.3492



21.6944, 0.3123, 0.3642



21.6944, 0.2688, 0.3062

Rectangle

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



21.6944, 0.3118, 0.2970



21.6944, 0.3475, 0.3234



21.6944, 0.3123, 0.3642



21.6944, 0.2788, 0.3333

Sweetspot

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



21.6953, 0.3118, 0.2970



44.6396, 0.3125, 0.3194



20.8910, 0.2923, 0.2991



9.8595, 0.3124, 0.3178



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.



21.6953, 0.3118, 0.2970



36.3874, 0.3115, 0.2897



21.6619, 0.3225, 0.3092



5.4821, 0.3121, 0.3072



5.7960, 0.2948, 0.1398



0.0608, 0.3085, 0.1473

Inverse Universe

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



21.4024, 0.3338, 0.3256



35.7731, 0.3394, 0.3248



25.1758, 0.3041, 0.3497



5.4329, 0.3266, 0.3267



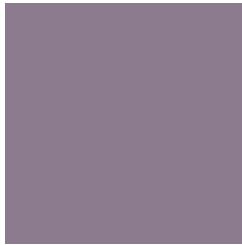
5.1963, 0.6235, 0.3208



0.0512, 0.5585, 0.2850

Previews

White Background



This preview shows how the Yxy color 21.6944, 0.3118, 0.2970 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 21.6944, 0.3118, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

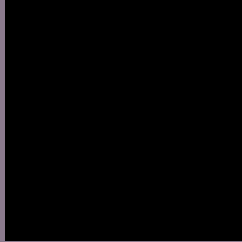
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6944, 0.3118, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 21.6944, 0.3118, 0.2970.



This preview shows how white text looks on a background with the Yxy color 21.6944, 0.3118, 0.2970.

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

21.6944, 0.3118, 0.2970

Protanopia

21.6587, 0.2926, 0.2975

Deuteranopia

21.7711, 0.3059, 0.2999



Tritanopia

21.6255, 0.3195, 0.3119

Trichromacy



Original Color

21.6944, 0.3118, 0.2970

Protanomaly

21.7606, 0.2992, 0.2979

Deuteranomaly

21.6867, 0.3083, 0.2983

Tritanomaly

21.7104, 0.3161, 0.3068

Monochromacy



Original Color

21.6944, 0.3118, 0.2970

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9683, 0.3133, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6944, 0.3118, 0.2970 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(140, 123, 142)` looks like.

```
.text, #text, p{  
    color:rgb(140, 123, 142)  
}
```

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(140, 123, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 123, 142) }
```

Border

The CSS property to change the border of an element to Yxy 21.6944, 0.3118, 0.2970 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(140, 123, 142) }
```

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

```
.border{ border-color:rgb(140, 123, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 123, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 123, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 123, 142);  
box-shadow:4px 4px 4px 4px rgb(140, 123,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6944, 0.3118, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 123, 142) }
```

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

```
.background{ background-color: rgb(140,  
123, 142) }
```

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