

Converting Colors

$Y_{xy}(24.4051, 0.2920, 0.2623)$

Have a look what the booklet for
Yxy(24.4051, 0.2920, 0.2623)
contains.

Yxy(24.4706, 0.2928, 0.2630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4706, 0.2928, 0.2630)

Conversions

Conversions Part 1

Format	Color
Hex	957FAA
RGB	149, 127, 170
RGB Percent	58%, 50%, 67%
CMY	0.4156, 0.5020, 0.3332
CMYK	0.12, 0.25, 0.00, 0.33
HSL	271°, 20%, 58%
HSV	271°, 25%, 67%
XYZ	27.2433, 24.4706, 41.3302
YIQ	138.4800, -0.6910, 18.0370

Conversions

Conversions Part 2

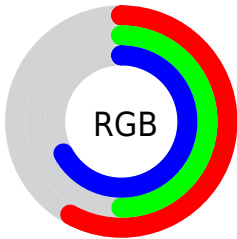
Format	Color
R_{YB}	149, 127, 170
Decimal	9797546
CIE _{Lab}	56.56, 16.93, -19.71
CIE _{LCh}	57, 25.984, 310.651
Yxy	24.4706, 0.2928, 0.2630
Android (android.graphics.Color)	4287987626 (0xFF957FAA)
YUV	138.4800, 15.5394, 9.2260
Hunter-Lab	49.4678, 11.7365, -14.9092

Details

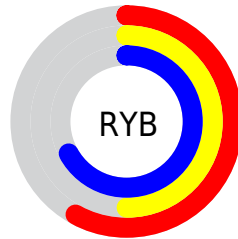
The Yxy color $24.4706, 0.2928, 0.2630$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $36.5878, 0.3287, 0.3953$, and the grayscale version is $25.5496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.7753, 0.2973, 0.2767$, and $9.3535, 0.2847, 0.2414$ is the 20% darker color. If you saturate the color by 10%, you get $19.6911, 0.2828, 0.2343$, and if you desaturate by 10%, it is $30.0490, 0.3016, 0.2905$.

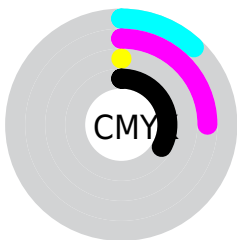
Distribution



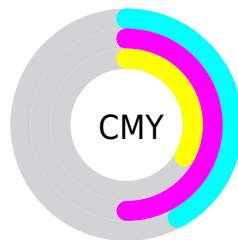
- Red (58%)
- Green (50%)
- Blue (67%)



- Red (58%)
- Yellow (50%)
- Blue (67%)



- Cyan (12%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)





- Cyan (42%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4706, 0.2928, 0.2630 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 24.4706, 0.2928, 0.2630 by changing the saturation by 10% instead.


 24.4706, 0.2928,
0.2630


 24.4706, 0.2928,
0.2630


275.1911, 0.3042,
0.2980


 15.6831, 0.2894,
0.2536


 50.7971, 0.2973,
0.2762

 9.3002, 0.2846,
0.2412

 69.1048, 0.2989,
0.2810

 4.9375, 0.2776,
0.2241


 91.3547, 0.3002,
0.2850

 2.2106, 0.2663,
0.1991

117.9313, 0.3013,
0.2884

 0.7258, 0.2461,
0.1579

149.2188, 0.3022,
0.2913

 0.0000, 0.0501,
0.0000

185.6016, 0.3030,

 0.0000, 0.0000,

0.2938

0.0000

227.4643, 0.3036,
0.2960

■ 24.4706, 0.2928,
0.2630

■ 24.4706, 0.2928,
0.2630

■ 19.6911, 0.2828,
0.2343

■ 30.0490, 0.3016,
0.2905

■ 15.6689, 0.2716,
0.2051

■ 36.4588, 0.3092,
0.3162

■ 12.3636, 0.2595,
0.1766

■ 43.7346, 0.3156,
0.3398

■ 9.7295, 0.2469,
0.1501

■ 51.9079, 0.3210,
0.3613

■ 7.7152, 0.2341,
0.1271

■ 61.0088, 0.3256,
0.3807

6.2619, 0.2217,
0.1087

71.0658, 0.3293,
0.3981

5.2957, 0.2103,
0.0956

82.1064, 0.3324,
0.4136

4.9299, 0.2052,
0.0904

88.9354, 0.3364,
0.4204

90.2276, 0.3419,
0.4187

Harmonies

Analogous

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



24.4706, 0.2554, 0.2567



24.4706, 0.2928, 0.2630



24.4706, 0.3385, 0.2840

Triad

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



24.4706, 0.2928, 0.2630



24.4706, 0.3970, 0.3850



24.4706, 0.2491, 0.3384

Complementary

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



24.4706, 0.2928, 0.2630



36.5878, 0.3287, 0.3953

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.



24.4706, 0.2836, 0.3812



24.4706, 0.2928, 0.2630



24.4706, 0.3694, 0.4071

Square

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



24.4706, 0.2928, 0.2630



24.4706, 0.4012, 0.3514



24.4706, 0.3276, 0.4073



24.4706, 0.2316, 0.2963

Rectangle

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



24.4706, 0.2928, 0.2630



24.4706, 0.3672, 0.3041



24.4706, 0.3276, 0.4073



24.4706, 0.2590, 0.3534

Sweetspot

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



24.4716, 0.2928, 0.2630



62.6738, 0.3071, 0.3091



28.7551, 0.2733, 0.2946



13.5864, 0.3060, 0.3053



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.4716, 0.2928, 0.2630



39.6710, 0.2877, 0.2481



26.6296, 0.3156, 0.2674



7.4822, 0.3063, 0.3062



3.6586, 0.2063, 0.0910



0.1193, 0.2436, 0.1115

Inverse Universe

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



25.8646, 0.3399, 0.2978



42.6688, 0.3473, 0.2911



34.8030, 0.3094, 0.3994



7.6011, 0.3212, 0.3180



6.7573, 0.4972, 0.2512



0.1748, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 24.4706, 0.2928, 0.2630 looks on a white background.

Color Contrast Check

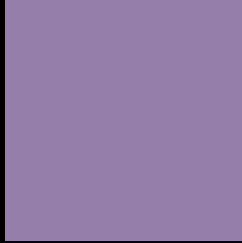
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4706, 0.2928, 0.2630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

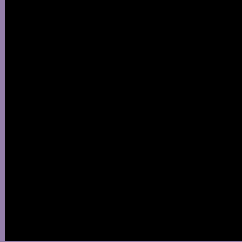
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4706, 0.2928, 0.2630

Background



This preview shows how black text looks on a background with the Yxy color 24.4706, 0.2928, 0.2630.



This preview shows how white text looks on a background with the Yxy color 24.4706, 0.2928, 0.2630.

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

24.4706, 0.2928, 0.2630

Protanopia

24.5053, 0.2652, 0.2629

Deuteranopia

24.5452, 0.2768, 0.2710



Tritanopia

24.4753, 0.3169, 0.3126

Trichromacy



Original Color

24.4706, 0.2928, 0.2630

Protanomaly

24.3181, 0.2750, 0.2623

Deuteranomaly

24.5004, 0.2825, 0.2687

Tritanomaly

24.3433, 0.3076, 0.2936

Monochromacy



Original Color

24.4706, 0.2928, 0.2630

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.0030, 0.3051, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4706, 0.2928, 0.2630 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(149, 127, 170)` looks like.

```
.text, #text, p{  
    color:rgb(149, 127, 170)  
}
```

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(149, 127, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 127, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.4706, 0.2928, 0.2630 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(149, 127, 170) }
```

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

```
.border{ border-color:rgb(149, 127, 170) }
```

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

Here you see how a box with a 4 pixel rgb(149, 127, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 127, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 127, 170);  
box-shadow:4px 4px 4px 4px rgb(149, 127,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4706, 0.2928, 0.2630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 127, 170) }
```

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

```
.background{ background-color: rgb(149,  
127, 170) }
```

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