

Converting Colors

$Y_{xy}(24.7972, 0.3270, 0.3192)$

Have a look what the booklet for
Yxy(24.7972, 0.3270, 0.3192)
contains.

Yxy(24.8215, 0.3270, 0.3193)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8215, 0.3270, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	96848A
RGB	150, 132, 138
RGB Percent	59%, 52%, 54%
CMY	0.4117, 0.4824, 0.4588
CMYK	0.00, 0.12, 0.08, 0.41
HSL	340°, 8%, 55%
HSV	340°, 12%, 59%
XYZ	25.4201, 24.8215, 27.4957
YIQ	138.0660, 8.8020, 5.6820

Conversions

Conversions Part 2

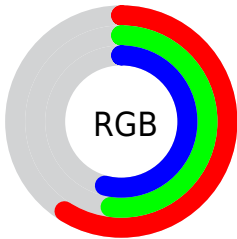
Format	Color
R_{YB}	150, 132, 138
Decimal	9864330
CIE Lab	56.90, 7.91, -0.72
CIE LCh	57, 7.948, 354.778
Yxy	24.8215, 0.3270, 0.3193
Android (android.graphics.Color)	4288054410 (0xFF96848A)
YUV	138.0660, -0.0325, 10.4661
Hunter-Lab	49.8212, 3.8883, 2.1534

Details

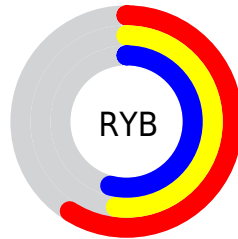
The Yxy color **24.8215, 0.3270, 0.3193** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.7411, 0.3002, 0.3389**, and the grayscale version is **25.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2969, 0.3240, 0.3218**, and **9.5437, 0.3323, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **20.7656, 0.3418, 0.3107**, and if you desaturate by 10%, it is **29.4915, 0.3149, 0.3274**.

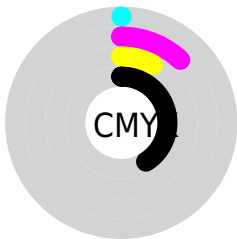
Distribution



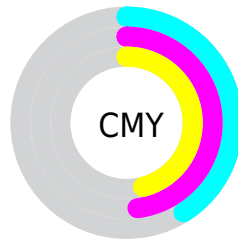
- Red (59%)
- Green (52%)
- Blue (54%)



- Red (59%)
- Yellow (52%)
- Blue (54%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (41%)





- Cyan (41%)
- Magenta (48%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8215, 0.3270, 0.3193 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 24.8215, 0.3270, 0.3193 by changing the saturation by 10% instead.


 24.8215, 0.3270,
0.3193


 24.8215, 0.3270,
0.3193


276.9478, 0.3191,
0.3247


 15.9441, 0.3293,
0.3178


 51.3675, 0.3239,
0.3214

 9.4846, 0.3324,
0.3157


 69.8049, 0.3228,
0.3221

 5.0586, 0.3369,
0.3126

 92.1978, 0.3220,
0.3227

 2.2817, 0.3442,
0.3077

118.9305, 0.3212,
0.3232

 0.7640, 0.3589,
0.2975

150.3875, 0.3206,
0.3237

 0.0000, 0.0000,
0.0000

186.9531, 0.3200,

0.3240

229.0117, 0.3195,
0.3244

■ 24.8215, 0.3270,
0.3193

■ 24.8215, 0.3270,
0.3193

■ 20.7656, 0.3418,
0.3107

■ 29.4915, 0.3149,
0.3274

■ 17.2949, 0.3596,
0.3019

■ 34.7963, 0.3049,
0.3350

■ 14.3831, 0.3811,
0.2932

■ 40.7598, 0.2968,
0.3420

■ 12.0006, 0.4066,
0.2853

■ 47.4037, 0.2901,
0.3484

■ 10.1150, 0.4358,
0.2789

■ 54.7485, 0.2845,
0.3542

■ 8.6905, 0.4682,
0.2753

■ 62.8141, 0.2799,
0.3595

■ 7.6862, 0.5022,
0.2754

■ 71.6193, 0.2761,
0.3644

■ 7.0539, 0.5352,
0.2802

■ 81.1826, 0.2729,
0.3688

■ 6.7167, 0.5601,
0.2859

■ 83.6113, 0.2685,
0.3600

Harmonies

Analogous

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



24.8215, 0.3136, 0.3103



24.8215, 0.3270, 0.3193



24.8215, 0.3367, 0.3309

Triad

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



24.8215, 0.3270, 0.3193



24.8215, 0.3250, 0.3531



24.8215, 0.2864, 0.3149

Complementary

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



24.8215, 0.3270, 0.3193



28.7411, 0.3002, 0.3389

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.



24.8215, 0.2893, 0.3264



24.8215, 0.3270, 0.3193



24.8215, 0.3114, 0.3488

Square

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



24.8215, 0.3270, 0.3193



24.8215, 0.3355, 0.3505



24.8215, 0.2984, 0.3389



24.8215, 0.2903, 0.3075

Rectangle

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



24.8215, 0.3270, 0.3193



24.8215, 0.3396, 0.3387



24.8215, 0.2984, 0.3389



24.8215, 0.2866, 0.3184

Sweetspot

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



24.8226, 0.3270, 0.3193



50.2390, 0.3172, 0.3258



24.6346, 0.3074, 0.2997



11.0019, 0.3180, 0.3252



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.8226, 0.3270, 0.3193



42.0817, 0.3301, 0.3174



25.4804, 0.3331, 0.3340



5.8454, 0.3233, 0.3217



5.5739, 0.5582, 0.2849



0.0733, 0.4522, 0.2265

Inverse Universe

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



24.8226, 0.3270, 0.3193



42.0817, 0.3301, 0.3174



27.9824, 0.2948, 0.3240



5.8454, 0.3233, 0.3217



5.5739, 0.5582, 0.2849



0.0733, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 24.8215, 0.3270, 0.3193 looks on a white background.

Color Contrast Check

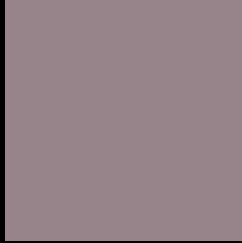
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8215, 0.3270, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

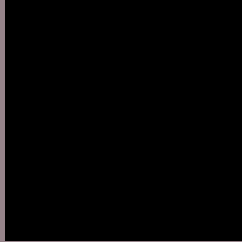
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8215, 0.3270, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 24.8215, 0.3270, 0.3193.



This preview shows how white text looks on a background with the Yxy color 24.8215, 0.3270, 0.3193.

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

24.8215, 0.3270, 0.3193

Protanopia

24.9050, 0.3108, 0.3223

Deuteranopia

24.7271, 0.3258, 0.3193



Tritanopia

24.7649, 0.3239, 0.3114

Trichromacy



Original Color

24.8215, 0.3270, 0.3193

Protanomaly

24.9428, 0.3164, 0.3224

Deuteranomaly

24.7271, 0.3258, 0.3193

Tritanomaly

24.7350, 0.3250, 0.3129

Monochromacy



Original Color

24.8215, 0.3270, 0.3193

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.1941, 0.3173, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8215, 0.3270, 0.3193 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(150, 132, 138)` looks like.

```
.text, #text, p{  
    color:rgb(150, 132, 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(150, 132, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 132, 138) }
```

Border

The CSS property to change the border of an element to Yxy 24.8215, 0.3270, 0.3193 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(150, 132, 138) }
```

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

```
.border{ border-color:rgb(150, 132, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 132, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 132, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 132, 138);  
box-shadow:4px 4px 4px 4px rgb(150, 132,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8215, 0.3270, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 132, 138) }
```

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

```
.background{ background-color: rgb(150,  
132, 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