

Converting Colors

$Y_{xy}(23.8751, 0.2972, 0.3142)$

Have a look what the booklet for
Yxy(23.8751, 0.2972, 0.3142)
contains.

Yxy(23.9003, 0.2970, 0.3152)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9003, 0.2970, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	80878F
RGB	128, 135, 143
RGB Percent	50%, 53%, 56%
CMY	0.4981, 0.4705, 0.4393
CMYK	0.10, 0.06, 0.00, 0.44
HSL	212°, 6%, 53%
HSV	212°, 10%, 56%
XYZ	22.5203, 23.9003, 29.4053
YIQ	133.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

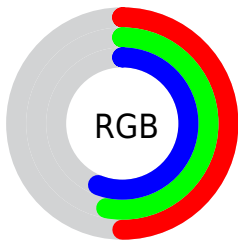
Format	Color
R_{YB}	128, 133, 143
Decimal	8423311
CIE _{Lab}	55.99, -0.90, -5.16
CIE _{LCh}	56, 5.236, 260.146
Yxy	23.9003, 0.2970, 0.3152
Android (android.graphics.Color)	4286613391 (0xFF80878F)
YUV	133.8190, 4.5262, -5.1033
Hunter-Lab	48.8879, -3.3277, -1.4404

Details

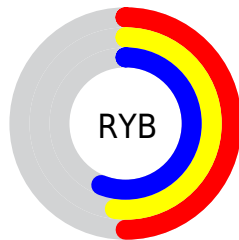
The Yxy color $23.9003, 0.2970, 0.3152$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.9898, 0.3291, 0.3424$, and the grayscale version is $23.7542, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8214, 0.3003, 0.3175$, and $8.9496, 0.2910, 0.3082$ is the 20% darker color. If you saturate the color by 10%, you get $20.8250, 0.2814, 0.3005$, and if you desaturate by 10%, it is $27.2851, 0.3120, 0.3284$.

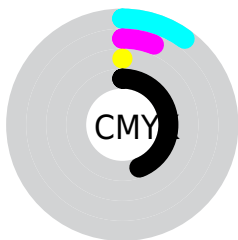
Distribution



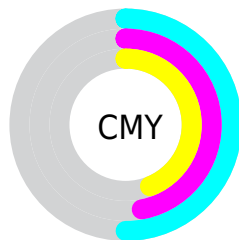
- Red (50%)
- Green (53%)
- Blue (56%)



- Red (50%)
- Yellow (52%)
- Blue (56%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9003, 0.2970, 0.3152 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 23.9003, 0.2970, 0.3152 by changing the saturation by 10% instead.

■ 23.9003, 0.2970,
0.3152

■ 23.9003, 0.2970,
0.3152

272.3160, 0.3057,
0.3229

■ 15.2597, 0.2945,
0.3130

■ 49.8675, 0.3004,
0.3182

■ 9.0018, 0.2910,
0.3099

■ 67.9628, 0.3016,
0.3193

■ 4.7424, 0.2859,
0.3053

■ 89.9785, 0.3026,
0.3201

■ 2.0969, 0.2777,
0.2980

116.2989, 0.3034,
0.3209

■ 0.6629, 0.2579,
0.2811

147.3085, 0.3041,
0.3215

■ 0.0000, 0.0000,
0.0000

183.3916, 0.3047,

0.3220

224.9327, 0.3052,
0.3225

■ 23.9003, 0.2970,
0.3152

■ 23.9003, 0.2970,
0.3152

■ 20.8250, 0.2814,
0.3005

■ 27.2851, 0.3120,
0.3284

■ 18.0466, 0.2653,
0.2844

■ 30.9855, 0.3262,
0.3401

■ 15.5558, 0.2492,
0.2668

■ 35.0113, 0.3396,
0.3505

■ 13.3419, 0.2334,
0.2480

■ 39.3708, 0.3520,
0.3597

■ 11.3930, 0.2183,
0.2284

■ 44.0722, 0.3636,
0.3678

■ 9.6967, 0.2046,
0.2082

■ 49.1232, 0.3743,
0.3748

■ 8.2388, 0.1926,
0.1881

■ 54.5311, 0.3842,
0.3810

■ 7.0033, 0.1829,
0.1686

■ 60.3035, 0.3933,
0.3864

■ 6.0000, 0.1753,
0.1510

■ 66.1305, 0.4004,
0.3914

Harmonies

Analogous

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



23.9003, 0.2950, 0.3207



23.9003, 0.2970, 0.3152



23.9003, 0.3031, 0.3134

Triad

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



23.9003, 0.2970, 0.3152



23.9003, 0.3279, 0.3291



23.9003, 0.3133, 0.3428

Complementary

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



23.9003, 0.2970, 0.3152



24.9898, 0.3291, 0.3424

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.



23.9003, 0.3222, 0.3450



23.9003, 0.2970, 0.3152



23.9003, 0.3307, 0.3369

Square

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



23.9003, 0.2970, 0.3152



23.9003, 0.3210, 0.3214



23.9003, 0.3286, 0.3428



23.9003, 0.3044, 0.3368

Rectangle

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



23.9003, 0.2970, 0.3152



23.9003, 0.3088, 0.3145



23.9003, 0.3286, 0.3428



23.9003, 0.3164, 0.3440

Sweetspot

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



23.9013, 0.2970, 0.3152



47.2655, 0.3082, 0.3251



25.9969, 0.3040, 0.3415



10.7313, 0.3071, 0.3242



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.9013, 0.2970, 0.3152



41.2280, 0.2927, 0.3113



22.0223, 0.2971, 0.3028



5.6457, 0.2990, 0.3170



5.3479, 0.1755, 0.1519



0.0946, 0.1976, 0.2313

Inverse Universe

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



23.0203, 0.3227, 0.3172



39.3097, 0.3256, 0.3140



27.0131, 0.3275, 0.3539



5.4635, 0.3213, 0.3187



5.5262, 0.5035, 0.2547



0.0572, 0.4113, 0.2040

Previews

White Background



This preview shows how the Yxy color 23.9003, 0.2970, 0.3152 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 23.9003, 0.2970, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

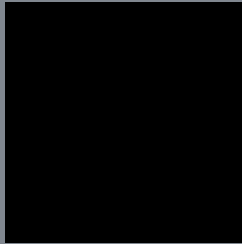
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

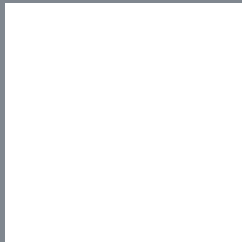
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9003, 0.2970, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 23.9003, 0.2970, 0.3152.



This preview shows how white text looks on a background with the Yxy color 23.9003, 0.2970, 0.3152.

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

23.9003, 0.2970, 0.3152

Protanopia

23.7964, 0.3045, 0.3137

Deuteranopia

23.8185, 0.3127, 0.3059



Tritanopia

23.9615, 0.2951, 0.3118

Trichromacy



Original Color

23.9003, 0.2970, 0.3152

Protanomaly

23.9087, 0.3023, 0.3153

Deuteranomaly

23.9194, 0.3069, 0.3089

Tritanomaly

23.9308, 0.2960, 0.3135

Monochromacy



Original Color

23.9003, 0.2970, 0.3152

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7619, 0.3074, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9003, 0.2970, 0.3152 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(128, 135, 143)` looks like.

```
.text, #text, p{  
    color:rgb(128, 135, 143)  
}
```

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(128, 135, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 135, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.9003, 0.2970, 0.3152 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(128, 135, 143) }
```

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

```
.border{ border-color:rgb(128, 135, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 135, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 135, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 135, 143);  
box-shadow:4px 4px 4px 4px rgb(128, 135,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9003, 0.2970, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 135, 143) }
```

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

```
.background{ background-color: rgb(128,  
135, 143) }
```

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