

Converting Colors

$Y_{xy}(23.8093, 0.3001, 0.3206)$

Have a look what the booklet for
Yxy(23.8093, 0.3001, 0.3206)
contains.

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Color

Yxy(23.8106, 0.3000, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	80878C
RGB	128, 135, 140
RGB Percent	50%, 53%, 55%
CMY	0.4979, 0.4706, 0.4510
CMYK	0.09, 0.04, 0.00, 0.45
HSL	205°, 5%, 53%
HSV	205°, 9%, 55%
XYZ	22.3015, 23.8106, 28.2263
YIQ	133.4770, -5.7770, 0.0710

Conversions

Conversions Part 2

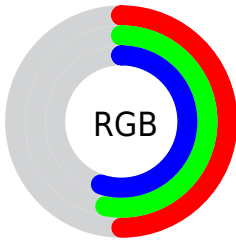
Format	Color
R_{YB}	128, 132, 140
Decimal	8423308
CIE Lab	55.90, -1.51, -3.56
CIE LCh	56, 3.871, 247.001
Yxy	23.8106, 0.3000, 0.3203
Android (android.graphics.Color)	4286613388 (0xFF80878C)
YUV	133.4770, 3.2158, -4.8033
Hunter-Lab	48.7961, -3.8124, -0.1393

Details

The Yxy color **23.8106, 0.3000, 0.3203** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9125, 0.3261, 0.3375**, and the grayscale version is **23.6296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6852, 0.3025, 0.3213**, and **8.8974, 0.2953, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **21.2148, 0.2848, 0.3091**, and if you desaturate by 10%, it is **26.6476, 0.3148, 0.3304**.

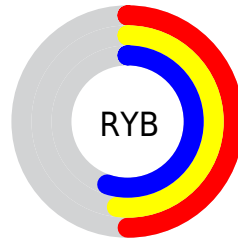
Distribution



Red (50%)

Green (53%)

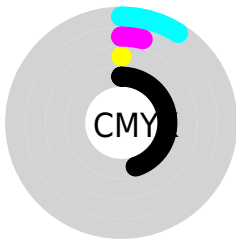
Blue (55%)



Red (50%)

Yellow (52%)

Blue (55%)

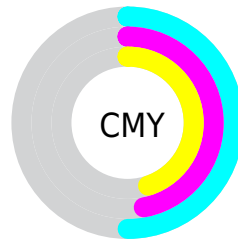


Cyan (9%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8106, 0.3000, 0.3203 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 23.8106, 0.3000, 0.3203 by changing the saturation by 10% instead.

■ 23.8106, 0.3000,
0.3203

■ 23.8106, 0.3000,
0.3203

271.8615, 0.3071,
0.3252

■ 15.1932, 0.2980,
0.3189

■ 49.7210, 0.3028,
0.3222

■ 8.9551, 0.2951,
0.3169

■ 67.7827, 0.3037,
0.3229

■ 4.7119, 0.2910,
0.3140

■ 89.7613, 0.3045,
0.3234

■ 2.0792, 0.2843,
0.3092

116.0412, 0.3052,
0.3239

■ 0.6529, 0.2657,
0.2972

147.0068, 0.3058,
0.3243

■ 0.0000, 0.0000,
0.0000

183.0424, 0.3063,

0.3246

224.5325, 0.3067,
0.3249

■ 23.8106, 0.3000,
0.3203

■ 23.8106, 0.3000,
0.3203

■ 21.2148, 0.2848,
0.3091

■ 26.6476, 0.3148,
0.3304

■ 18.8496, 0.2695,
0.2968

■ 29.7299, 0.3292,
0.3394

■ 16.7081, 0.2543,
0.2835

■ 33.0652, 0.3429,
0.3475

■ 14.7817, 0.2397,
0.2692

■ 36.6601, 0.3558,
0.3546

■ 13.0614, 0.2260,
0.2542

■ 40.5209, 0.3681,
0.3608

■ 11.5371, 0.2136,
0.2386

■ 44.6535, 0.3795,
0.3663

■ 10.1977, 0.2028,
0.2228

■ 49.0637, 0.3903,
0.3711

■ 9.0305, 0.1941,
0.2071

■ 53.7572, 0.4003,
0.3752

■ 8.0089, 0.1870,
0.1918

■ 58.7394, 0.4096,
0.3789

Harmonies

Analogous

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



23.8106, 0.3001, 0.3253



23.8106, 0.3000, 0.3203



23.8106, 0.3033, 0.3177

Triad

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



23.8106, 0.3000, 0.3203



23.8106, 0.3220, 0.3265



23.8106, 0.3162, 0.3403

Complementary

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



23.8106, 0.3000, 0.3203



23.9125, 0.3261, 0.3375

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.



23.8106, 0.3222, 0.3405



23.8106, 0.3000, 0.3203



23.8106, 0.3256, 0.3325

Square

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



23.8106, 0.3000, 0.3203



23.8106, 0.3160, 0.3213



23.8106, 0.3256, 0.3376



23.8106, 0.3094, 0.3370

Rectangle

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



23.8106, 0.3000, 0.3203



23.8106, 0.3070, 0.3176



23.8106, 0.3256, 0.3376



23.8106, 0.3184, 0.3407

Sweetspot

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



23.8116, 0.3000, 0.3203



44.6779, 0.3082, 0.3260



25.0374, 0.3068, 0.3411



10.2079, 0.3071, 0.3252



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.



23.8116, 0.3000, 0.3203



41.1977, 0.2975, 0.3185



22.1904, 0.3000, 0.3098



5.3447, 0.2991, 0.3197



7.0315, 0.1862, 0.1903



0.0757, 0.2049, 0.2577

Inverse Universe

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



22.7684, 0.3191, 0.3172



39.0411, 0.3205, 0.3148



25.5961, 0.3251, 0.3475



5.0943, 0.3196, 0.3163



5.4940, 0.4564, 0.2288



0.0394, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 23.8106, 0.3000, 0.3203 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 23.8106, 0.3000, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

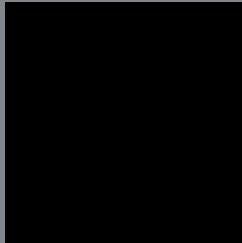
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

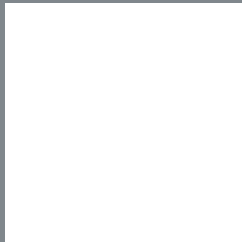
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8106, 0.3000, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 23.8106, 0.3000, 0.3203.



This preview shows how white text looks on a background with the Yxy color 23.8106, 0.3000, 0.3203.

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

23.8106, 0.3000, 0.3203

Protanopia

23.7900, 0.3087, 0.3188

Deuteranopia

23.8176, 0.3170, 0.3108



Tritanopia

23.7617, 0.2961, 0.3101

Trichromacy



Original Color

23.8106, 0.3000, 0.3203

Protanomaly

23.8198, 0.3053, 0.3204

Deuteranomaly

23.8289, 0.3100, 0.3138

Tritanomaly

23.7005, 0.2981, 0.3135

Monochromacy



Original Color

23.8106, 0.3000, 0.3203

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6531, 0.3073, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8106, 0.3000, 0.3203 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 135, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 135, 140) }
```

Border

The CSS property to change the border of an element to Yxy 23.8106, 0.3000, 0.3203 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, 140) }
```

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

```
.border{ border-color:rgb(128, 135, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 135, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 135, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 135,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8106, 0.3000, 0.3203 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, 140) }
```

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

```
.background{ background-color: rgb(128,  
135, 140) }
```

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](#).

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