

Converting Colors

$Y_{xy}(23.5886, 0.3381, 0.3238)$

Have a look what the booklet for
Yxy(23.5886, 0.3381, 0.3238)
contains.

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Color

Yxy(23.7524, 0.3380, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	988083
RGB	152, 128, 131
RGB Percent	60%, 50%, 51%
CMY	0.4039, 0.4980, 0.4863
CMYK	0.00, 0.16, 0.14, 0.40
HSL	353°, 10%, 55%
HSV	353°, 16%, 60%
XYZ	24.7635, 23.7524, 24.7488
YIQ	135.5180, 13.3410, 6.0210

Conversions

Conversions Part 2

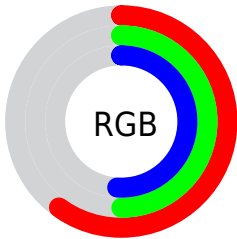
Format	Color
R_{YB}	152, 128, 131
Decimal	9994371
CIE Lab	55.84, 9.69, 1.80
CIE LCh	56, 9.861, 10.540
Yxy	23.7524, 0.3380, 0.3242
Android (android.graphics.Color)	4288184451 (0xFF988083)
YUV	135.5180, -2.2274, 14.4547
Hunter-Lab	48.7364, 5.4088, 4.0075

Details

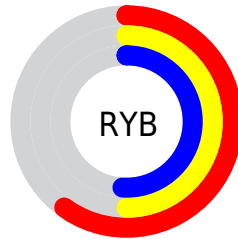
The Yxy color $23.7524, 0.3380, 0.3242$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $29.2148, 0.2921, 0.3339$, and the grayscale version is $24.4360, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6303, 0.3320, 0.3254$, and $8.9679, 0.3477, 0.3219$ is the 20% darker color. If you saturate the color by 10%, you get $19.7427, 0.3590, 0.3210$, and if you desaturate by 10%, it is $28.4046, 0.3210, 0.3273$.

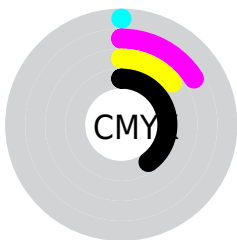
Distribution



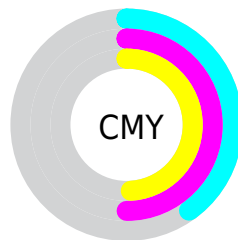
- Red (60%)
- Green (50%)
- Blue (51%)



- Red (60%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (16%)
- Yellow (14%)
- Black (40%)





- Cyan (40%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7524, 0.3380, 0.3242 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 23.7524, 0.3380, 0.3242 by changing the saturation by 10% instead.


 23.7524, 0.3380,
0.3242

 23.7524, 0.3380,
0.3242


271.5663, 0.3239,
0.3270


 15.1501, 0.3421,
0.3234


 49.6259, 0.3325,
0.3253

 8.9248, 0.3478,
0.3222


 67.6657, 0.3305,
0.3257

 4.6921, 0.3563,
0.3204

 89.6203, 0.3289,
0.3260

 2.0678, 0.3701,
0.3173

115.8738, 0.3276,
0.3263

 0.6464, 0.4101,
0.3115

146.8108, 0.3265,
0.3265

 0.0000, 0.0000,
0.0000

182.8156, 0.3255,


0.3267

224.2727, 0.3246,
0.3268


 23.7524, 0.3380,
0.3242

 23.7524, 0.3380,
0.3242


 19.7427, 0.3590,
0.3210


 28.4046, 0.3210,
0.3273


 16.3441, 0.3848,
0.3177


 33.7224, 0.3073,
0.3302


 13.5277, 0.4160,
0.3146

 39.7318, 0.2961,
0.3328

 11.2607, 0.4528,
0.3122

 46.4562, 0.2871,
0.3352

 9.5070, 0.4943,
0.3109

 53.9183, 0.2796,
0.3374

■ 8.2265, 0.5377,
0.3114

■ 62.1395, 0.2735,
0.3394

■ 7.3728, 0.5783,
0.3141

■ 71.1403, 0.2684,
0.3412

■ 6.8822, 0.6107,
0.3187

■ 80.9406, 0.2641,
0.3428

■ 6.7216, 0.6219,
0.3200

■ 85.1452, 0.2589,
0.3336

Harmonies

Analogous

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



23.7524, 0.3229, 0.3109



23.7524, 0.3380, 0.3242



23.7524, 0.3462, 0.3390

Triad

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



23.7524, 0.3380, 0.3242



23.7524, 0.3193, 0.3577



23.7524, 0.2812, 0.3055

Complementary

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



23.7524, 0.3380, 0.3242



29.2148, 0.2921, 0.3339

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.



23.7524, 0.2804, 0.3175



23.7524, 0.3380, 0.3242



23.7524, 0.3020, 0.3482

Square

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



23.7524, 0.3380, 0.3242



23.7524, 0.3352, 0.3589



23.7524, 0.2879, 0.3332



23.7524, 0.2903, 0.3001

Rectangle

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



23.7524, 0.3380, 0.3242



23.7524, 0.3465, 0.3480



23.7524, 0.2879, 0.3332



23.7524, 0.2800, 0.3088

Sweetspot

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



23.7535, 0.3380, 0.3242



50.7456, 0.3200, 0.3275



24.0774, 0.3109, 0.2907



11.4040, 0.3210, 0.3273



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.7535, 0.3380, 0.3242



39.2630, 0.3450, 0.3230



26.0688, 0.3393, 0.3433



6.2346, 0.3265, 0.3263



5.6391, 0.6207, 0.3193



0.0872, 0.5489, 0.2798

Inverse Universe

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



23.7535, 0.3380, 0.3242



39.2630, 0.3450, 0.3230



26.5613, 0.2889, 0.3142



6.2346, 0.3265, 0.3263



5.6391, 0.6207, 0.3193



0.0872, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 23.7524, 0.3380, 0.3242 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 23.7524, 0.3380, 0.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

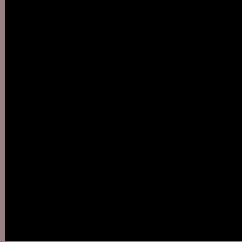
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7524, 0.3380, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 23.7524, 0.3380, 0.3242.



This preview shows how white text looks on a background with the Yxy color 23.7524, 0.3380, 0.3242.

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

23.7524, 0.3380, 0.3242

Protanopia

23.7305, 0.3151, 0.3273

Deuteranopia

23.8999, 0.3328, 0.3274



Tritanopia

23.7572, 0.3325, 0.3129

Trichromacy



Original Color

23.7524, 0.3380, 0.3242

Protanomaly

23.6768, 0.3233, 0.3257

Deuteranomaly

23.7288, 0.3342, 0.3258

Tritanomaly

23.7003, 0.3348, 0.3161

Monochromacy



Original Color

23.7524, 0.3380, 0.3242

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2471, 0.3219, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7524, 0.3380, 0.3242 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(152, 128, 131)` looks like.

```
.text, #text, p{  
    color:rgb(152, 128, 131)  
}
```

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(152, 128, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 128, 131) }
```

Border

The CSS property to change the border of an element to Yxy 23.7524, 0.3380, 0.3242 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(152, 128, 131) }
```

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

```
.border{ border-color:rgb(152, 128, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 128, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 128, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 128, 131);  
box-shadow:4px 4px 4px 4px rgb(152, 128,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7524, 0.3380, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 128, 131) }
```

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

```
.background{ background-color: rgb(152,  
128, 131) }
```

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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