

Converting Colors

$Y_{xy}(23.8595, 0.3336, 0.3180)$

Have a look what the booklet for
Yxy(23.8595, 0.3336, 0.3180)
contains.

Yxy(23.8630, 0.3334, 0.3177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8630, 0.3334, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	988087
RGB	152, 128, 135
RGB Percent	60%, 50%, 53%
CMY	0.4039, 0.4980, 0.4706
CMYK	0.00, 0.16, 0.11, 0.40
HSL	343°, 10%, 55%
HSV	343°, 16%, 60%
XYZ	25.0423, 23.8630, 26.2065
YIQ	135.9740, 12.0570, 7.2650

Conversions

Conversions Part 2

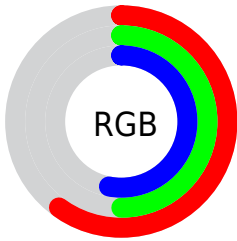
Format	Color
R_{YB}	152, 128, 135
Decimal	9994375
CIE _{Lab}	55.95, 10.41, -0.36
CIE _{LCh}	56, 10.415, 358.046
Yxy	23.8630, 0.3334, 0.3177
Android (android.graphics.Color)	4288184455 (0xFF988087)
YUV	135.9740, -0.4802, 14.0548
Hunter-Lab	48.8498, 6.0188, 2.3875

Details

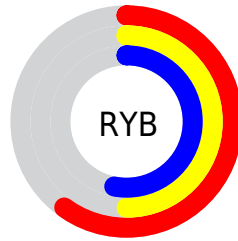
The Yxy color $23.8630, 0.3334, 0.3177$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $29.0935, 0.2955, 0.3406$, and the grayscale version is $24.6095, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8004, 0.3286, 0.3206$, and $9.0145, 0.3423, 0.3148$ is the 20% darker color. If you saturate the color by 10%, you get $19.9029, 0.3503, 0.3101$, and if you desaturate by 10%, it is $28.4500, 0.3196, 0.3250$.

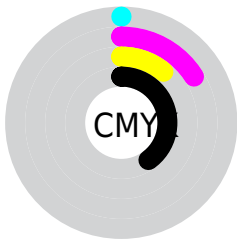
Distribution



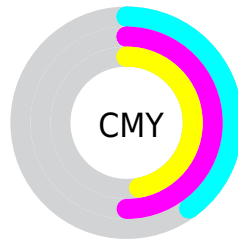
- Red (60%)
- Green (50%)
- Blue (53%)



- Red (60%)
- Yellow (50%)
- Blue (53%)



- Cyan (0%)
- Magenta (16%)
- Yellow (11%)
- Black (40%)




- Cyan (40%)
- Magenta (50%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8630, 0.3334, 0.3177 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 23.8630, 0.3334, 0.3177 by changing the saturation by 10% instead.


 23.8630, 0.3334,
0.3177


 23.8630, 0.3334,
0.3177


272.1271, 0.3219,
0.3240


 15.2320, 0.3367,
0.3159


 49.8065, 0.3289,
0.3202

 8.9824, 0.3413,
0.3134


 67.8879, 0.3273,
0.3210

 4.7297, 0.3481,
0.3097

 89.8882, 0.3260,
0.3217

 2.0896, 0.3592,
0.3037

116.1918, 0.3249,
0.3223

 0.6587, 0.3860,
0.2887

147.1831, 0.3240,
0.3228

 0.0000, 0.0000,
0.0000

183.2465, 0.3232,

0.3233

224.7663, 0.3225,
0.3236

■ 23.8630, 0.3334,
0.3177

■ 23.8630, 0.3334,
0.3177

■ 19.9029, 0.3503,
0.3101

■ 28.4500, 0.3196,
0.3250

■ 16.5393, 0.3708,
0.3023

■ 33.6863, 0.3082,
0.3318

■ 13.7440, 0.3955,
0.2949

■ 39.5970, 0.2990,
0.3381

■ 11.4853, 0.4244,
0.2885

■ 46.2051, 0.2914,
0.3439

■ 9.7282, 0.4573,
0.2839

■ 53.5324, 0.2851,
0.3491

■ 8.4336, 0.4930,
0.2824

■ 61.5997, 0.2799,
0.3539

■ 7.5568, 0.5290,
0.2848

■ 70.4271, 0.2756,
0.3583

■ 7.0354, 0.5623,
0.2915

■ 80.0337, 0.2720,
0.3623

■ 6.8604, 0.5756,
0.2944

■ 84.0190, 0.2676,
0.3553

Harmonies

Analogous

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



23.8630, 0.3158, 0.3054



23.8630, 0.3334, 0.3177



23.8630, 0.3456, 0.3331

Triad

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



23.8630, 0.3334, 0.3177



23.8630, 0.3271, 0.3610



23.8630, 0.2781, 0.3087

Complementary

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



23.8630, 0.3334, 0.3177



29.0935, 0.2955, 0.3406

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.



23.8630, 0.2809, 0.3235



23.8630, 0.3334, 0.3177



23.8630, 0.3089, 0.3544

Square

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



23.8630, 0.3334, 0.3177



23.8630, 0.3417, 0.3583



23.8630, 0.2921, 0.3404



23.8630, 0.2841, 0.3000

Rectangle

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



23.8630, 0.3334, 0.3177



23.8630, 0.3487, 0.3433



23.8630, 0.2921, 0.3404



23.8630, 0.2780, 0.3131

Sweetspot

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



23.8641, 0.3334, 0.3177



50.8166, 0.3187, 0.3255



23.7081, 0.3064, 0.2902



11.4221, 0.3195, 0.3250



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.



23.8641, 0.3334, 0.3177



39.4931, 0.3391, 0.3150



24.9559, 0.3403, 0.3369



6.2508, 0.3240, 0.3225



5.7564, 0.5738, 0.2935



0.0918, 0.4693, 0.2359

Inverse Universe

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



23.8641, 0.3334, 0.3177



39.4931, 0.3391, 0.3150



27.7887, 0.2892, 0.3210



6.2508, 0.3240, 0.3225



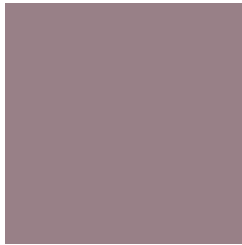
5.7564, 0.5738, 0.2935



0.0918, 0.4693, 0.2359

Previews

White Background



This preview shows how the Yxy color 23.8630, 0.3334, 0.3177 looks on a white background.

Color Contrast Check

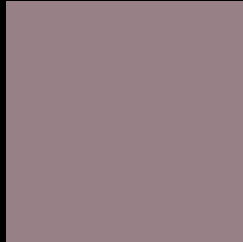
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8630, 0.3334, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

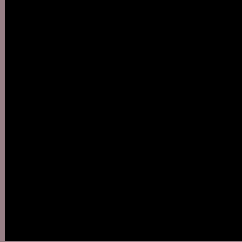
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8630, 0.3334, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 23.8630, 0.3334, 0.3177.



This preview shows how white text looks on a background with the Yxy color 23.8630, 0.3334, 0.3177.

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

23.8630, 0.3334, 0.3177

Protanopia

23.7609, 0.3097, 0.3205

Deuteranopia

23.9176, 0.3271, 0.3208



Tritanopia

23.9487, 0.3300, 0.3129

Trichromacy



Original Color

23.8630, 0.3334, 0.3177

Protanomaly

23.7015, 0.3178, 0.3189

Deuteranomaly

23.8393, 0.3296, 0.3192

Tritanomaly

23.9199, 0.3311, 0.3145

Monochromacy



Original Color

23.8630, 0.3334, 0.3177

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3034, 0.3198, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8630, 0.3334, 0.3177 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(152, 128, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 128, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.8630, 0.3334, 0.3177 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, 135) }
```

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

```
.border{ border-color:rgb(152, 128, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 128, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 128, 135);  
box-shadow:4px 4px 4px 4px rgb(152, 128,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8630, 0.3334, 0.3177 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, 135) }
```

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

```
.background{ background-color: rgb(152,  
128, 135) }
```

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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