

Converting Colors

$Y_{xy}(23.7834, 0.3277, 0.3843)$

Have a look what the booklet for
Yxy(23.7834, 0.3277, 0.3843)
contains.

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Color

Yxy(23.8330, 0.3277, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	7C8B6C
RGB	124, 139, 108
RGB Percent	49%, 55%, 42%
CMY	0.5136, 0.4549, 0.5765
CMYK	0.11, 0.00, 0.22, 0.45
HSL	89°, 13%, 48%
HSV	89°, 22%, 55%
XYZ	20.2543, 23.8330, 17.7202
YIQ	130.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

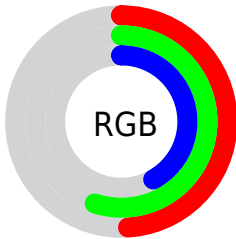
Format	Color
RYB	108, 139, 123
Decimal	8162156
CIELab	55.92, -11.35, 14.81
CIElCh	56, 18.656, 127.474
Yxy	23.8330, 0.3277, 0.3856
Android (android.graphics.Color)	4286352236 (0xFF7C8B6C)
YUV	130.9810, -11.3296, -6.1223
Hunter-Lab	48.8191, -11.3762, 12.6524

Details

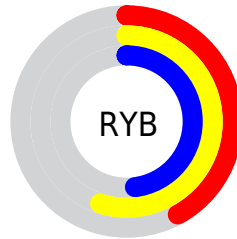
The Yxy color $23.8330, 0.3277, 0.3856$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.7984, 0.2948, 0.2723$, and the grayscale version is $22.7327, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.0251, 0.3245, 0.3728$, and $8.9669, 0.3332, 0.4099$ is the 20% darker color. If you saturate the color by 10%, you get $23.0778, 0.3340, 0.4136$, and if you desaturate by 10%, it is $24.6715, 0.3210, 0.3591$.

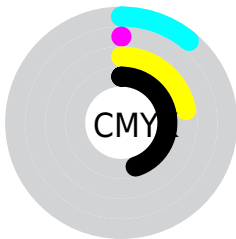
Distribution



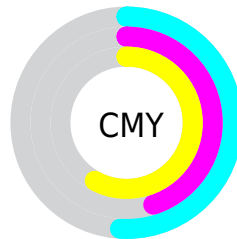
- Red (49%)
- Green (55%)
- Blue (42%)



- Red (42%)
- Yellow (55%)
- Blue (48%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (45%)




- Cyan (51%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8330, 0.3277, 0.3856 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 23.8330, 0.3277, 0.3856 by changing the saturation by 10% instead.


 23.8330, 0.3277,
0.3856


 23.8330, 0.3277,
0.3856


271.9751, 0.3198,
0.3534


 15.2098, 0.3298,
0.3953


 49.7575, 0.3247,
0.3728


 8.9668, 0.3324,
0.4088

 67.8277, 0.3237,
0.3683

 4.7195, 0.3358,
0.4292

 89.8155, 0.3228,
0.3647

 2.0836, 0.3401,
0.4633

 116.1056, 0.3220,
0.3617

 0.6554, 0.3454,
0.6546

147.0821, 0.3213,
0.3591

 0.0000, 0.0000,
0.0000

183.1297, 0.3207,

0.3570

224.6325, 0.3202,
0.3551

■ 23.8330, 0.3277,
0.3856

■ 23.8330, 0.3277,
0.3856

■ 23.0778, 0.3340,
0.4136

■ 24.6715, 0.3210,
0.3591

■ 22.4000, 0.3395,
0.4423

■ 25.5929, 0.3143,
0.3344

■ 21.7974, 0.3439,
0.4709

■ 26.6009, 0.3076,
0.3118

■ 21.2667, 0.3468,
0.4981

■ 27.6980, 0.3011,
0.2912

■ 20.8042, 0.3479,
0.5225

■ 28.8865, 0.2950,
0.2727

■ 20.4058, 0.3468,
0.5428

■ 30.1687, 0.2891,
0.2562

■ 20.0668, 0.3436,
0.5582

■ 31.5467, 0.2837,
0.2413

■ 19.8367, 0.3405,
0.5678

■ 33.0228, 0.2787,
0.2281

■ 34.5988, 0.2740,
0.2163

Harmonies

Analogous

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



23.8330, 0.3572, 0.3848



23.8330, 0.3277, 0.3856



23.8330, 0.2952, 0.3688

Triad

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



23.8330, 0.3277, 0.3856



23.8330, 0.2536, 0.2861



23.8330, 0.3582, 0.3167

Complementary

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



23.8330, 0.3277, 0.3856



16.7984, 0.2948, 0.2723

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.



23.8330, 0.3282, 0.2936



23.8330, 0.3277, 0.3856



23.8330, 0.2684, 0.2758

Square

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



23.8330, 0.3277, 0.3856



23.8330, 0.2536, 0.3090



23.8330, 0.2952, 0.2789



23.8330, 0.3757, 0.3437

Rectangle

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



23.8330, 0.3277, 0.3856



23.8330, 0.2763, 0.3501



23.8330, 0.2952, 0.2789



23.8330, 0.3492, 0.3084

Sweetspot

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



23.8340, 0.3277, 0.3856



45.0150, 0.3176, 0.3461



20.6052, 0.3508, 0.3549



10.3540, 0.3179, 0.3473



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.



23.8340, 0.3277, 0.3856



41.9510, 0.3311, 0.4003



22.8004, 0.3110, 0.3886



5.7270, 0.3189, 0.3511



17.9147, 0.3408, 0.5676



0.1277, 0.3743, 0.5410

Inverse Universe

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



16.7984, 0.2948, 0.2723



26.9317, 0.2896, 0.2576



17.9896, 0.3139, 0.2755



5.0030, 0.3061, 0.3069



2.7739, 0.2017, 0.0885



0.0271, 0.2507, 0.1155

Previews

White Background



This preview shows how the Yxy color 23.8330, 0.3277, 0.3856 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 23.8330, 0.3277, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

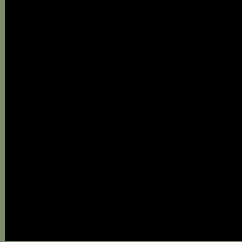
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8330, 0.3277, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 23.8330, 0.3277, 0.3856.



This preview shows how white text looks on a background with the Yxy color 23.8330, 0.3277, 0.3856.

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

23.8330, 0.3277, 0.3856

Protanopia

23.8209, 0.3537, 0.3791

Deuteranopia

23.7949, 0.3661, 0.3603



Tritanopia

23.7617, 0.2961, 0.3101

Trichromacy



Original Color

23.8330, 0.3277, 0.3856

Protanomaly

23.7998, 0.3435, 0.3820

Deuteranomaly

23.8085, 0.3521, 0.3701

Tritanomaly

23.7863, 0.3069, 0.3360

Monochromacy



Original Color

23.8330, 0.3277, 0.3856

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0694, 0.3175, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8330, 0.3277, 0.3856 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(124, 139, 108)` looks like.

```
.text, #text, p{  
    color:rgb(124, 139, 108)  
}
```

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(124, 139, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 139, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.8330, 0.3277, 0.3856 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(124, 139, 108) }
```

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

```
.border{ border-color:rgb(124, 139, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 139, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 139, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 139, 108);  
box-shadow:4px 4px 4px 4px rgb(124, 139,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8330, 0.3277, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 139, 108) }
```

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

```
.background{ background-color: rgb(124,  
139, 108) }
```

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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