

Converting Colors

$Y_{xy}(23.9520, 0.3464, 0.3227)$

Have a look what the booklet for
Yxy(23.9520, 0.3464, 0.3227)
contains.

Yxy(23.8025, 0.3470, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8025, 0.3470, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	9E7E82
RGB	158, 126, 130
RGB Percent	62%, 49%, 51%
CMY	0.3803, 0.5059, 0.4902
CMYK	0.00, 0.20, 0.18, 0.38
HSL	353°, 14%, 56%
HSV	353°, 20%, 62%
XYZ	25.5949, 23.8025, 24.3631
YIQ	136.0240, 17.7880, 8.0280

Conversions

Conversions Part 2

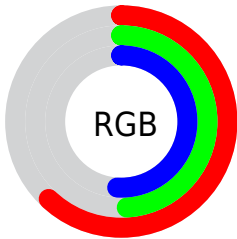
Format	Color
R_{YB}	158, 126, 130
Decimal	10387074
CIE _{Lab}	55.89, 13.01, 2.53
CIE _{LCh}	56, 13.255, 10.996
Yxy	23.8025, 0.3470, 0.3227
Android (android.graphics.Color)	4288577154 (0xFF9E7E82)
YUV	136.0240, -2.9698, 19.2730
Hunter-Lab	48.7878, 8.2654, 4.5439

Details

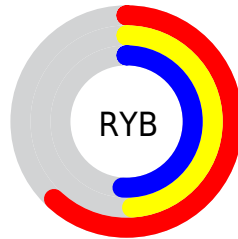
The Yxy color $23.8025, 0.3470, 0.3227$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $31.2332, 0.2864, 0.3354$, and the grayscale version is $24.6376, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8052, 0.3393, 0.3243$, and $8.9660, 0.3597, 0.3198$ is the 20% darker color. If you saturate the color by 10%, you get $19.7299, 0.3701, 0.3194$, and if you desaturate by 10%, it is $28.5656, 0.3282, 0.3259$.

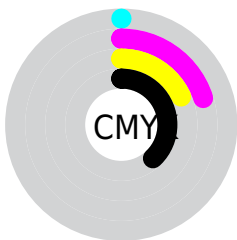
Distribution



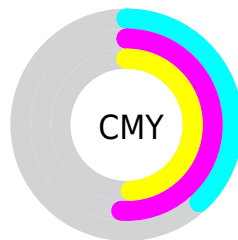
- Red (62%)
- Green (49%)
- Blue (51%)



- Red (62%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (20%)
- Yellow (18%)
- Black (38%)





- Cyan (38%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8025, 0.3470, 0.3227 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 23.8025, 0.3470, 0.3227 by changing the saturation by 10% instead.


 23.8025, 0.3470,
0.3227

 23.8025, 0.3470,
0.3227


271.8205, 0.3279,
0.3264

 15.1872, 0.3526,
0.3216


 49.7077, 0.3395,
0.3242

 8.9509, 0.3603,
0.3200


 67.7664, 0.3368,
0.3247

 4.7091, 0.3718,
0.3175


 89.7417, 0.3347,
0.3251

 2.0776, 0.3906,
0.3133

116.0179, 0.3329,
0.3254

 0.6520, 0.4426,
0.3067

146.9795, 0.3313,
0.3257

 0.0000, 0.0000,
0.0000

183.0109, 0.3300,

0.3260

224.4964, 0.3289,
0.3262

■ 23.8025, 0.3470,
0.3227

■ 23.8025, 0.3470,
0.3227

■ 19.7299, 0.3701,
0.3194

■ 28.5656, 0.3282,
0.3259

■ 16.3126, 0.3985,
0.3162

■ 34.0458, 0.3131,
0.3289

■ 13.5173, 0.4324,
0.3133


■ 40.2722, 0.3008,
0.3317

■ 11.3066, 0.4717,
0.3113


■ 47.2713, 0.2909,
0.3342


■ 9.6388, 0.5146,
0.3108


■ 55.0684, 0.2827,
0.3365


 8.4668, 0.5575,
0.3123

 63.6875, 0.2760,
0.3386

 7.7354, 0.5949,
0.3161

 73.1517, 0.2705,
0.3405

 7.3219, 0.6223,
0.3202

 83.4833, 0.2659,
0.3422

 85.9766, 0.2599,
0.3295

Harmonies

Analogous

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



23.8025, 0.3267, 0.3051



23.8025, 0.3470, 0.3227



23.8025, 0.3579, 0.3424

Triad

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



23.8025, 0.3470, 0.3227



23.8025, 0.3210, 0.3678



23.8025, 0.2708, 0.2972

Complementary

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



23.8025, 0.3470, 0.3227



31.2332, 0.2864, 0.3354

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.



23.8025, 0.2695, 0.3129



23.8025, 0.3470, 0.3227



23.8025, 0.2979, 0.3548

Square

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



23.8025, 0.3470, 0.3227



23.8025, 0.3425, 0.3693



23.8025, 0.2793, 0.3342



23.8025, 0.2829, 0.2905

Rectangle

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



23.8025, 0.3470, 0.3227



23.8025, 0.3582, 0.3544



23.8025, 0.2793, 0.3342



23.8025, 0.2691, 0.3015

Sweetspot

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



23.8036, 0.3470, 0.3227



55.8263, 0.3215, 0.3272



24.2358, 0.3102, 0.2793



12.4529, 0.3225, 0.3270



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.8036, 0.3470, 0.3227



39.9578, 0.3561, 0.3213



26.8807, 0.3483, 0.3477



6.6590, 0.3265, 0.3262



5.8650, 0.6209, 0.3194



0.1083, 0.5512, 0.2810

Inverse Universe

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



23.8036, 0.3470, 0.3227



39.9578, 0.3561, 0.3213



27.5499, 0.2820, 0.3095



6.6590, 0.3265, 0.3262



5.8650, 0.6209, 0.3194



0.1083, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 23.8025, 0.3470, 0.3227 looks on a white background.

Color Contrast Check

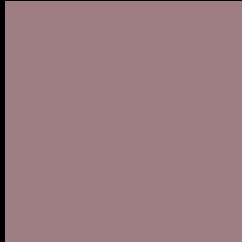
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8025, 0.3470, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

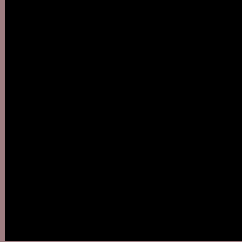
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8025, 0.3470, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 23.8025, 0.3470, 0.3227.



This preview shows how white text looks on a background with the Yxy color 23.8025, 0.3470, 0.3227.

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

23.8025, 0.3470, 0.3227

Protanopia

23.7305, 0.3151, 0.3273

Deuteranopia

23.9398, 0.3362, 0.3307



Tritanopia

23.7874, 0.3425, 0.3133

Trichromacy



Original Color

23.8025, 0.3470, 0.3227

Protanomaly

23.5880, 0.3258, 0.3240

Deuteranomaly

23.9609, 0.3401, 0.3291

Tritanomaly

23.7316, 0.3448, 0.3164

Monochromacy



Original Color

23.8025, 0.3470, 0.3227

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1531, 0.3244, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8025, 0.3470, 0.3227 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(158, 126, 130)` looks like.

```
.text, #text, p{  
    color:rgb(158, 126, 130)  
}
```

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(158, 126, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 126, 130) }
```

Border

The CSS property to change the border of an element to Yxy 23.8025, 0.3470, 0.3227 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(158, 126, 130) }
```

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

```
.border{ border-color:rgb(158, 126, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 126, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 126, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 126, 130);  
box-shadow:4px 4px 4px 4px rgb(158, 126,  
130) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8025, 0.3470, 0.3227$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 126, 130) }
```

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

```
.background{ background-color: rgb(158,  
126, 130) }
```

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