

Converting Colors

$Y_{xy}(23.7833, 0.3932, 0.3987)$

Have a look what the booklet for
Yxy(23.7833, 0.3932, 0.3987)
contains.

Yxy(23.7213, 0.3935, 0.3987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7213, 0.3935, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	9C8257
RGB	156, 130, 87
RGB Percent	61%, 51%, 34%
CMY	0.3883, 0.4902, 0.6588
CMYK	0.00, 0.17, 0.44, 0.39
HSL	37°, 28%, 48%
HSV	37°, 44%, 61%
XYZ	23.4119, 23.7213, 12.3634
YIQ	132.8720, 29.2990, -7.8610

Conversions

Conversions Part 2

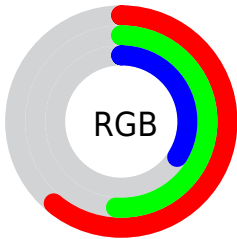
Format	Color
R_{YB}	129, 156, 87
Decimal	10256983
CIE _{Lab}	55.81, 3.91, 26.96
CIE _{LCh}	56, 27.241, 81.745
Yxy	23.7213, 0.3935, 0.3987
Android (android.graphics.Color)	4288447063 (0xFF9C8257)
YUV	132.8720, -22.6149, 20.2833
Hunter-Lab	48.7045, 0.5708, 19.0427

Details

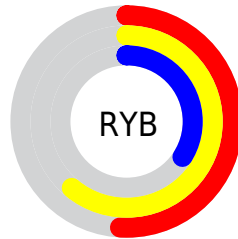
The Yxy color **23.7213, 0.3935, 0.3987** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2349, 0.2406, 0.2467**, and the grayscale version is **23.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6702, 0.3769, 0.3852**, and **8.9216, 0.4227, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **21.9755, 0.4154, 0.4133**, and if you desaturate by 10%, it is **25.6137, 0.3726, 0.3829**.

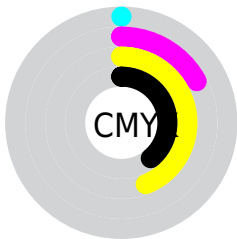
Distribution



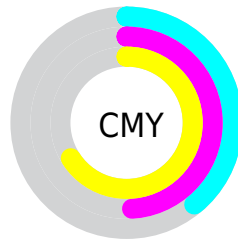
- Red (61%)
- Green (51%)
- Blue (34%)



- Red (51%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (44%)
- Black (39%)





- Cyan (39%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7213, 0.3935, 0.3987 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 23.7213, 0.3935, 0.3987 by changing the saturation by 10% instead.


 23.7213, 0.3935,
0.3987


 23.7213, 0.3935,
0.3987


271.4084, 0.3490,
0.3611


 15.1270, 0.4058,
0.4087


 49.5750, 0.3764,
0.3845


 8.9086, 0.4222,
0.4216


 67.6032, 0.3702,
0.3793


 4.6816, 0.4444,
0.4384

 89.5449, 0.3652,
0.3750

 2.0617, 0.5059,
0.4892

 115.7844, 0.3609,
0.3713

 0.6429, 0.5236,
0.4764

 146.7061, 0.3573,
0.3682

 0.0000, 0.0000,
0.0000

182.6944, 0.3541,

0.3655

224.1337, 0.3514,
0.3632

■ 23.7213, 0.3935,
0.3987

■ 23.7213, 0.3935,
0.3987

■ 21.9755, 0.4154,
0.4133

■ 25.6137, 0.3726,
0.3829

■ 20.3680, 0.4374,
0.4258

■ 27.6540, 0.3531,
0.3667

■ 18.8942, 0.4587,
0.4349

■ 29.8478, 0.3352,
0.3507

■ 17.5481, 0.4782,
0.4397

■ 32.1992, 0.3190,
0.3353

■ 16.3224, 0.4948,
0.4395

■ 34.7123, 0.3046,
0.3207

■ 15.6597, 0.5038,
0.4382

■ 37.3908, 0.2917,
0.3071

■ 40.2385, 0.2802,
0.2945

■ 43.2587, 0.2701,
0.2830

■ 46.4549, 0.2611,
0.2723

Harmonies

Analogous

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



23.7213, 0.4081, 0.3662



23.7213, 0.3935, 0.3987



23.7213, 0.3572, 0.4151

Triad

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



23.7213, 0.3935, 0.3987



23.7213, 0.2364, 0.3212



23.7213, 0.3090, 0.2661

Complementary

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



23.7213, 0.3935, 0.3987



16.2349, 0.2406, 0.2467

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.



23.7213, 0.2650, 0.2533



23.7213, 0.3935, 0.3987



23.7213, 0.2257, 0.2809

Square

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



23.7213, 0.3935, 0.3987



23.7213, 0.2666, 0.3687



23.7213, 0.2357, 0.2577



23.7213, 0.3574, 0.2927

Rectangle

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



23.7213, 0.3935, 0.3987



23.7213, 0.3265, 0.4117



23.7213, 0.2357, 0.2577



23.7213, 0.2932, 0.2600

Sweetspot

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



23.7224, 0.3935, 0.3987



54.6194, 0.3335, 0.3491



15.0873, 0.3810, 0.2856



11.8305, 0.3371, 0.3524



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.7224, 0.3935, 0.3987



39.9723, 0.4150, 0.4131



30.7519, 0.3679, 0.4383



7.3001, 0.3269, 0.3429



12.9689, 0.5030, 0.4388



0.3111, 0.4624, 0.4710

Inverse Universe

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



16.2349, 0.2406, 0.2467



24.6188, 0.2240, 0.2242



11.6539, 0.2406, 0.1984



6.8242, 0.2988, 0.3147



4.5956, 0.1676, 0.1232



0.1605, 0.1892, 0.2012

Previews

White Background



This preview shows how the Yxy color 23.7213, 0.3935, 0.3987 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 23.7213, 0.3935, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

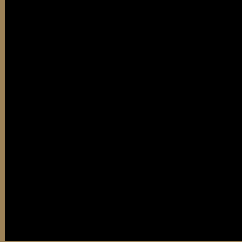
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7213, 0.3935, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 23.7213, 0.3935, 0.3987.



This preview shows how white text looks on a background with the Yxy color 23.7213, 0.3935, 0.3987.

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

23.7213, 0.3935, 0.3987

Protanopia

23.7912, 0.3750, 0.4054

Deuteranopia

23.7035, 0.4012, 0.3940



Tritanopia

23.7136, 0.3463, 0.3134

Trichromacy



Original Color

23.7213, 0.3935, 0.3987

Protanomaly

23.8692, 0.3817, 0.4041

Deuteranomaly

23.7596, 0.3980, 0.3962

Tritanomaly

23.5770, 0.3639, 0.3436

Monochromacy



Original Color

23.7213, 0.3935, 0.3987

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4262, 0.3409, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7213, 0.3935, 0.3987 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(156, 130, 87)` looks like.

```
.text, #text, p{  
    color:rgb(156, 130, 87)  
}
```

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(156, 130, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 130, 87) }
```

Border

The CSS property to change the border of an element to Yxy 23.7213, 0.3935, 0.3987 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(156, 130, 87) }
```

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

```
.border{ border-color:rgb(156, 130, 87) }
```

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

Here you see how a box with a 4 pixel rgb(156, 130, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 130, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 130, 87);  
box-shadow:4px 4px 4px 4px rgb(156, 130,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7213, 0.3935, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 130, 87) }
```

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

```
.background{ background-color: rgb(156,  
130, 87) }
```

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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