

Converting Colors

$Y_{xy}(23.8006, 0.3213, 0.2957)$

Have a look what the booklet for
Yxy(23.8006, 0.3213, 0.2957)
contains.

Yxy(23.8006, 0.3213, 0.2957)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8006, 0.3213, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	997E93
RGB	153, 126, 147
RGB Percent	60%, 49%, 58%
CMY	0.4001, 0.5058, 0.4236
CMYK	0.00, 0.18, 0.04, 0.40
HSL	313°, 12%, 55%
HSV	313°, 18%, 60%
XYZ	25.8611, 23.8006, 30.8273
YIQ	136.4670, 9.3510, 12.2550

Conversions

Conversions Part 2

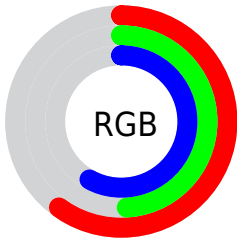
Format	Color
RYB	153, 126, 147
Decimal	10059411
CIELab	55.89, 14.14, -7.38
CIElCh	56, 15.948, 332.422
Yxy	23.8006, 0.3213, 0.2957
Android (android.graphics.Color)	4288249491 (0xFF997E93)
YUV	136.4670, 5.1928, 14.4994
Hunter-Lab	48.7859, 9.2466, -3.3147

Details

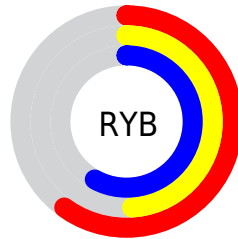
The Yxy color $23.8006, 0.3213, 0.2957$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.8811, 0.3051, 0.3648$, and the grayscale version is $24.7822, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8671, 0.3199, 0.3029$, and $8.9771, 0.3254, 0.2852$ is the 20% darker color. If you saturate the color by 10%, you get $20.0780, 0.3272, 0.2762$, and if you desaturate by 10%, it is $28.1268, 0.3162, 0.3149$.

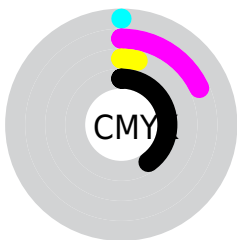
Distribution



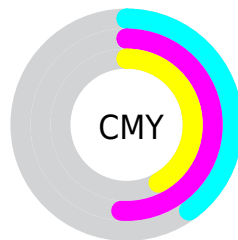
- Red (60%)
- Green (49%)
- Blue (58%)



- Red (60%)
- Yellow (49%)
- Blue (58%)



- Cyan (0%)
- Magenta (18%)
- Yellow (4%)
- Black (40%)





- Cyan (40%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8006, 0.3213, 0.2957 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 23.8006, 0.3213, 0.2957 by changing the saturation by 10% instead.


 23.8006, 0.3213,
0.2957


 23.8006, 0.3213,
0.2957


271.8108, 0.3167,
0.3138


 15.1858, 0.3225,
0.2906


 49.7046, 0.3196,
0.3026

 8.9499, 0.3242,
0.2838


 67.7626, 0.3189,
0.3051

 4.7085, 0.3265,
0.2740

 89.7371, 0.3184,
0.3072

 2.0773, 0.3300,
0.2588

116.0124, 0.3180,
0.3089

 0.6518, 0.3379,
0.2269

146.9731, 0.3176,
0.3104

 0.0000, 0.0000,
0.0000

183.0035, 0.3173,

0.3117

224.4879, 0.3170,
0.3128

■ 23.8006, 0.3213,
0.2957

■ 23.8006, 0.3213,
0.2957

■ 20.0780, 0.3272,
0.2762

■ 28.1268, 0.3162,
0.3149

■ 16.9287, 0.3339,
0.2568

■ 33.0789, 0.3117,
0.3333

■ 14.3247, 0.3413,
0.2384

■ 38.6819, 0.3079,
0.3506

■ 12.2341, 0.3493,
0.2217

■ 44.9584, 0.3047,
0.3669

■ 10.6218, 0.3578,
0.2079

■ 51.9300, 0.3020,
0.3819

■ 9.4483, 0.3665,
0.1977

■ 59.6173, 0.2998,
0.3957

■ 8.6678, 0.3751,
0.1918

■ 68.0401, 0.2979,
0.4083

■ 8.1995, 0.3835,
0.1900

■ 77.2173, 0.2963,
0.4199

■ 8.1014, 0.3856,
0.1898

■ 81.4905, 0.2947,
0.4221

Harmonies

Analogous

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



23.8006, 0.2934, 0.2845



23.8006, 0.3213, 0.2957



23.8006, 0.3479, 0.3149

Triad

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



23.8006, 0.3213, 0.2957



23.8006, 0.3543, 0.3753



23.8006, 0.2631, 0.3163

Complementary

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



23.8006, 0.3213, 0.2957



28.8811, 0.3051, 0.3648

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.



23.8006, 0.2780, 0.3427



23.8006, 0.3213, 0.2957



23.8006, 0.3304, 0.3781

Square

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



23.8006, 0.3213, 0.2957



23.8006, 0.3673, 0.3601



23.8006, 0.3024, 0.3661



23.8006, 0.2608, 0.2950

Rectangle

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



23.8006, 0.3213, 0.2957



23.8006, 0.3607, 0.3301



23.8006, 0.3024, 0.3661



23.8006, 0.2668, 0.3249

Sweetspot

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



23.8016, 0.3213, 0.2957



52.5211, 0.3150, 0.3196



22.1180, 0.2910, 0.2835



11.4760, 0.3153, 0.3184



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.



23.8016, 0.3213, 0.2957



39.9871, 0.3234, 0.2883



23.4072, 0.3365, 0.3167



6.3001, 0.3169, 0.3119



6.7020, 0.3850, 0.1895



0.1054, 0.3519, 0.1712

Inverse Universe

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



23.8016, 0.3213, 0.2957



39.9871, 0.3234, 0.2883



29.2697, 0.2934, 0.3417



6.3001, 0.3169, 0.3119



6.7020, 0.3850, 0.1895



0.1054, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 23.8006, 0.3213, 0.2957 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 23.8006, 0.3213, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

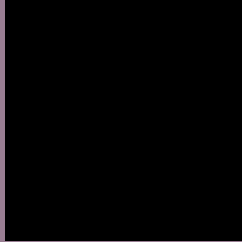
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8006, 0.3213, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 23.8006, 0.3213, 0.2957.



This preview shows how white text looks on a background with the Yxy color 23.8006, 0.3213, 0.2957.

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

23.8006, 0.3213, 0.2957

Protanopia

23.8347, 0.2923, 0.2986

Deuteranopia

23.7914, 0.3094, 0.3026



Tritanopia

23.9487, 0.3300, 0.3129

Trichromacy



Original Color

23.8006, 0.3213, 0.2957

Protanomaly

23.6562, 0.3019, 0.2959

Deuteranomaly

23.8868, 0.3140, 0.3013

Tritanomaly

23.7772, 0.3267, 0.3065

Monochromacy



Original Color

23.8006, 0.3213, 0.2957

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1468, 0.3156, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8006, 0.3213, 0.2957 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(153, 126, 147)` looks like.

```
.text, #text, p{  
    color:rgb(153, 126, 147)  
}
```

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(153, 126, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 126, 147) }
```

Border

The CSS property to change the border of an element to Yxy 23.8006, 0.3213, 0.2957 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(153, 126, 147) }
```

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

```
.border{ border-color:rgb(153, 126, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 126, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 126, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 126, 147); box-shadow:4px 4px 4px 4px rgb(153, 126, 147) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8006, 0.3213, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 126, 147) }
```

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

```
.background{ background-color: rgb(153,  
126, 147) }
```

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