

Converting Colors

$Y_{xy}(12.1953, 0.3887, 0.3123)$

Have a look what the booklet for
Yxy(12.1953, 0.3887, 0.3123)
contains.

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Color

Yxy(12.1935, 0.3887, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	88535C
RGB	136, 83, 92
RGB Percent	53%, 33%, 36%
CMY	0.4666, 0.6745, 0.6392
CMYK	0.00, 0.39, 0.32, 0.47
HSL	350°, 24%, 43%
HSV	350°, 39%, 53%
XYZ	15.1813, 12.1935, 11.6819
YIQ	99.8730, 28.6990, 14.0350

Conversions

Conversions Part 2

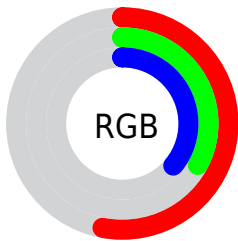
Format	Color
R_{YB}	136, 83, 92
Decimal	8934236
CIE _{Lab}	41.52, 23.35, 4.14
CIE _{LCh}	42, 23.711, 10.059
Yxy	12.1935, 0.3887, 0.3122
Android (android.graphics.Color)	4287124316 (0xFF88535C)
YUV	99.8730, -3.8814, 31.6834
Hunter-Lab	34.9192, 16.4954, 4.6086

Details

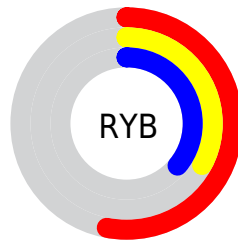
The Yxy color **12.1935, 0.3887, 0.3122** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9849, 0.2680, 0.3471**, and the grayscale version is **12.7150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8044, 0.3695, 0.3168**, and **3.3438, 0.4306, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **10.1302, 0.4193, 0.3082**, and if you desaturate by 10%, it is **14.6957, 0.3632, 0.3166**.

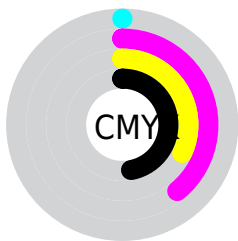
Distribution



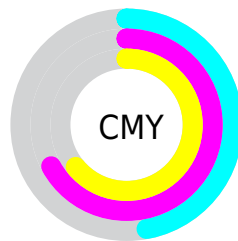
- Red (53%)
- Green (33%)
- Blue (36%)



- Red (53%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (32%)
- Black (47%)





- Cyan (47%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1935, 0.3887, 0.3122 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 12.1935, 0.3887, 0.3122 by changing the saturation by 10% instead.


 12.1935, 0.3887,
0.3122


 12.1935, 0.3887,
0.3122


205.6821, 0.3421,
0.3230

 6.8756, 0.4048,
0.3081


 29.8470, 0.3690,
0.3170


 3.3844, 0.4294,
0.3015

 42.9515, 0.3625,
0.3185


 1.3356, 0.4713,
0.2893

 59.4202, 0.3573,
0.3197

 0.1685, 0.8125,
0.1875

 79.6376, 0.3532,
0.3206

 0.0000, 0.0000,
0.0000

 103.9881, 0.3497,
0.3214

132.8561, 0.3468,

0.3220

166.6260, 0.3443,
0.3226

■ 12.1935, 0.3887,
0.3122

■ 12.1935, 0.3887,
0.3122

■ 10.1302, 0.4193,
0.3082

■ 14.6957, 0.3632,
0.3166

■ 8.4789, 0.4550,
0.3050

■ 17.6584, 0.3423,
0.3211

■ 7.2121, 0.4948,
0.3035


■ 21.1037, 0.3253,
0.3254


■ 6.2985, 0.5360,
0.3043


■ 25.0519, 0.3114,
0.3294


■ 5.7019, 0.5746,
0.3079

■ 29.5221, 0.3002,
0.3331


 5.3331, 0.6069,
0.3130

 34.5324, 0.2910,
0.3365

 5.2984, 0.6099,
0.3134

 40.0999, 0.2834,
0.3396

 46.2412, 0.2772,
0.3424

 52.9721, 0.2720,
0.3449

Harmonies

Analogous

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



12.1935, 0.3411, 0.2772



12.1935, 0.3887, 0.3122



12.1935, 0.4145, 0.3528

Triad

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



12.1935, 0.3887, 0.3122



12.1935, 0.3302, 0.4203



12.1935, 0.2229, 0.2590

Complementary

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



12.1935, 0.3887, 0.3122



20.9849, 0.2680, 0.3471

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.



12.1935, 0.2206, 0.2916



12.1935, 0.3887, 0.3122



12.1935, 0.2799, 0.3906

Square

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



12.1935, 0.3887, 0.3122



12.1935, 0.3780, 0.4184



12.1935, 0.2405, 0.3404



12.1935, 0.2465, 0.2468

Rectangle

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



12.1935, 0.3887, 0.3122



12.1935, 0.4147, 0.3794



12.1935, 0.2405, 0.3404



12.1935, 0.2197, 0.2677

Sweetspot

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



12.1941, 0.3887, 0.3122



35.0958, 0.3305, 0.3240



12.4217, 0.3028, 0.2324



7.9726, 0.3323, 0.3235



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.1941, 0.3887, 0.3122



18.1659, 0.4161, 0.3085



14.9333, 0.3927, 0.3608



5.0616, 0.3255, 0.3253



5.0142, 0.6094, 0.3131



0.0348, 0.5219, 0.2649

Inverse Universe

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



12.1941, 0.3887, 0.3122



18.1659, 0.4161, 0.3085



16.8647, 0.2555, 0.2944



5.0616, 0.3255, 0.3253



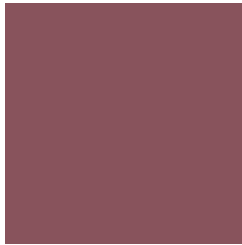
5.0142, 0.6094, 0.3131



0.0348, 0.5219, 0.2649

Previews

White Background



This preview shows how the Yxy color 12.1935, 0.3887, 0.3122 looks on a white 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

Black Background



This preview shows how the Yxy color 12.1935, 0.3887, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

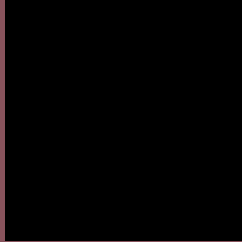
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1935, 0.3887, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 12.1935, 0.3887, 0.3122.



This preview shows how white text looks on a background with the Yxy color 12.1935, 0.3887, 0.3122.

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

12.1935, 0.3887, 0.3122

Protanopia

12.3648, 0.3129, 0.3245

Deuteranopia

12.3021, 0.3453, 0.3400



Tritanopia

12.1589, 0.3923, 0.3160

Trichromacy



Original Color

12.1935, 0.3887, 0.3122

Protanomaly

12.2025, 0.3384, 0.3205

Deuteranomaly

12.2306, 0.3599, 0.3291

Tritanomaly

12.1761, 0.3905, 0.3141

Monochromacy



Original Color

12.1935, 0.3887, 0.3122

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3792, 0.3381, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1935, 0.3887, 0.3122 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(136, 83, 92)` looks like.

```
.text, #text, p{  
    color:rgb(136, 83, 92)  
}
```

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(136, 83, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 83, 92) }
```

Border

The CSS property to change the border of an element to Yxy 12.1935, 0.3887, 0.3122 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(136, 83, 92) }
```

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

```
.border{ border-color:rgb(136, 83, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 83, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 83, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 83, 92);  
box-shadow:4px 4px 4px 4px rgb(136, 83,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1935, 0.3887, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 83, 92) }
```

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

```
.background{ background-color: rgb(136, 83,  
92) }
```

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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