

Converting Colors

$Y_{xy}(12.8228, 0.3916, 0.3313)$

Have a look what the booklet for
Yxy(12.8228, 0.3916, 0.3313)
contains.

Yxy(12.8185, 0.3927, 0.3311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8185, 0.3927, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	875857
RGB	135, 88, 87
RGB Percent	53%, 35%, 34%
CMY	0.4706, 0.6549, 0.6588
CMYK	0.00, 0.35, 0.36, 0.47
HSL	1°, 22%, 44%
HSV	1°, 36%, 53%
XYZ	15.2033, 12.8185, 10.6931
YIQ	101.9390, 28.3330, 9.6530

Conversions

Conversions Part 2

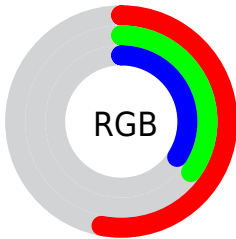
Format	Color
R_{YB}	135, 88, 87
Decimal	8869975
CIE Lab	42.49, 19.31, 8.57
CIE LCh	42, 21.127, 23.927
Yxy	12.8185, 0.3927, 0.3311
Android (android.graphics.Color)	4287060055 (0xFF875857)
YUV	101.9390, -7.3649, 28.9945
Hunter-Lab	35.8029, 13.1430, 7.3543

Details

The Yxy color **12.8185, 0.3927, 0.3311** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8345, 0.2642, 0.3269**, and the grayscale version is **13.2850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9303, 0.3723, 0.3306**, and **3.6621, 0.4329, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **10.6410, 0.4275, 0.3317**, and if you desaturate by 10%, it is **15.4324, 0.3639, 0.3305**.

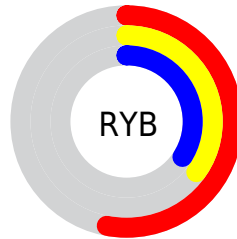
Distribution



Red (53%)

Green (35%)

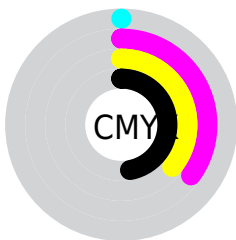
Blue (34%)



Red (53%)

Yellow (35%)

Blue (34%)

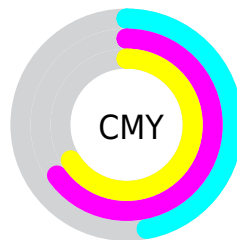


Cyan (0%)

Magenta (35%)

Yellow (36%)

Black (47%)



Cyan (47%)


Magenta (65%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8185, 0.3927, 0.3311 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 12.8185, 0.3927, 0.3311 by changing the saturation by 10% instead.


 12.8185, 0.3927,
0.3311


 12.8185, 0.3927,
0.3311


209.7512, 0.3438,
0.3309


 7.3037, 0.4094,
0.3304


 30.9773, 0.3721,
0.3314


 3.6527, 0.4348,
0.3288


 44.3901, 0.3653,
0.3314

 1.4813, 0.4775,
0.3242

 61.2044, 0.3599,
0.3313

 0.2755, 0.7269,
0.2731

 81.8045, 0.3555,
0.3312

 0.0000, 0.0000,
0.0000

 106.5748, 0.3518,
0.3311

135.8998, 0.3487,

0.3310

170.1638, 0.3461,
0.3310

■ 12.8185, 0.3927,
0.3311

■ 12.8185, 0.3927,
0.3311

■ 10.6410, 0.4275,
0.3317

■ 15.4324, 0.3639,
0.3305

■ 8.8744, 0.4682,
0.3322

■ 18.5028, 0.3405,
0.3299

■ 7.4934, 0.5133,
0.3325


■ 22.0505, 0.3216,
0.3293

■ 6.4694, 0.5588,
0.3325


■ 26.0948, 0.3063,
0.3288


■ 5.7695, 0.5986,
0.3321


■ 30.6536, 0.2939,
0.3283

 5.3526, 0.6268,
0.3315

 35.7443, 0.2839,
0.3279

 5.2116, 0.6379,
0.3317

 41.3831, 0.2756,
0.3275

 47.5859, 0.2688,
0.3272

 54.3676, 0.2631,
0.3269

Harmonies

Analogous

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



12.8185, 0.3585, 0.2966



12.8185, 0.3927, 0.3311



12.8185, 0.4034, 0.3673

Triad

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



12.8185, 0.3927, 0.3311



12.8185, 0.3076, 0.3994



12.8185, 0.2406, 0.2600

Complementary

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



12.8185, 0.3927, 0.3311



20.8345, 0.2642, 0.3269

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.



12.8185, 0.2295, 0.2811



12.8185, 0.3927, 0.3311



12.8185, 0.2662, 0.3636

Square

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



12.8185, 0.3927, 0.3311



12.8185, 0.3523, 0.4111



12.8185, 0.2384, 0.3186



12.8185, 0.2699, 0.2569

Rectangle

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



12.8185, 0.3927, 0.3311



12.8185, 0.3957, 0.3887



12.8185, 0.2384, 0.3186



12.8185, 0.2348, 0.2650

Sweetspot

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



12.8191, 0.3927, 0.3311



35.7558, 0.3319, 0.3296



13.6978, 0.3178, 0.2457



8.1137, 0.3341, 0.3297



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.



12.8191, 0.3927, 0.3311



19.6211, 0.4216, 0.3316



17.3871, 0.3775, 0.3753



4.7028, 0.3279, 0.3295



4.8075, 0.6378, 0.3318



0.0176, 0.6277, 0.3398

Inverse Universe

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



20.8345, 0.2642, 0.3269



36.2866, 0.2548, 0.3264



14.9744, 0.2577, 0.2775



5.2630, 0.2992, 0.3285



16.8929, 0.2230, 0.3227



0.0598, 0.2239, 0.3260

Previews

White Background



This preview shows how the Yxy color 12.8185, 0.3927, 0.3311 looks on a white background.

Color Contrast Check

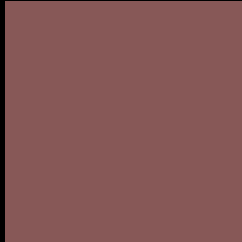
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8185, 0.3927, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

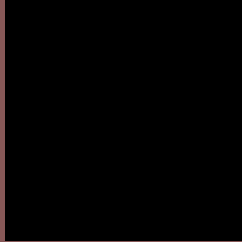
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8185, 0.3927, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 12.8185, 0.3927, 0.3311.

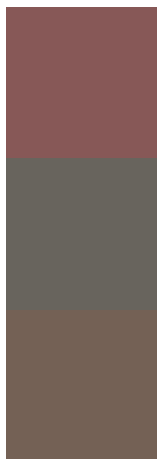


This preview shows how white text looks on a background with the Yxy color 12.8185, 0.3927, 0.3311.

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

12.8185, 0.3927, 0.3311

Protanopia

12.8477, 0.3284, 0.3446

Deuteranopia

12.9183, 0.3600, 0.3546



Tritanopia

12.8588, 0.3829, 0.3160

Trichromacy



Original Color

12.8185, 0.3927, 0.3311

Protanomaly

12.7659, 0.3497, 0.3397

Deuteranomaly

12.8882, 0.3713, 0.3455

Tritanomaly

12.8060, 0.3881, 0.3217

Monochromacy



Original Color

12.8185, 0.3927, 0.3311

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9899, 0.3388, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8185, 0.3927, 0.3311 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(135, 88, 87)` looks like.

```
.text, #text, p{  
    color:rgb(135, 88, 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(135, 88, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 88, 87) }
```

Border

The CSS property to change the border of an element to Yxy 12.8185, 0.3927, 0.3311 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(135, 88, 87) }
```

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

```
.border{ border-color:rgb(135, 88, 87) }
```

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

Here you see how a box with a 4 pixel rgb(135, 88, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 88, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 88, 87);  
box-shadow:4px 4px 4px 4px rgb(135, 88,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8185, 0.3927, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 88, 87) }
```

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

```
.background{ background-color: rgb(135, 88,  
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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