

Converting Colors

$Y_{xy}(12.1697, 0.3904, 0.3434)$

Have a look what the booklet for
Yxy(12.1697, 0.3904, 0.3434)
contains.

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Color

Yxy(12.1627, 0.3916, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	805851
RGB	128, 88, 81
RGB Percent	50%, 35%, 32%
CMY	0.4980, 0.6549, 0.6824
CMYK	0.00, 0.31, 0.37, 0.50
HSL	9°, 22%, 41%
HSV	9°, 37%, 50%
XYZ	13.8780, 12.1627, 9.3985
YIQ	99.1620, 26.0870, 6.3030

Conversions

Conversions Part 2

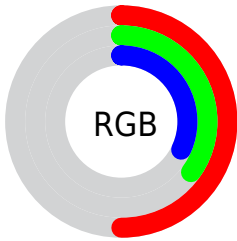
Format	Color
R _Y B	128, 89, 81
Decimal	8411217
CIE Lab	41.47, 15.56, 10.70
CIE LCh	41, 18.884, 34.528
Yxy	12.1627, 0.3916, 0.3432
Android (android.graphics.Color)	4286601297 (0xFF805851)
YUV	99.1620, -8.9539, 25.2909
Hunter-Lab	34.8751, 9.9998, 8.4345

Details

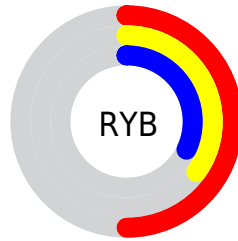
The Yxy color **12.1627, 0.3916, 0.3432** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.9828, 0.2613, 0.3141**, and the grayscale version is **12.5386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7337, 0.3713, 0.3406**, and **3.3611, 0.4353, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **10.3324, 0.4237, 0.3470**, and if you desaturate by 10%, it is **14.2977, 0.3645, 0.3392**.

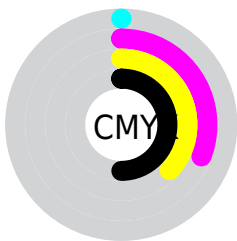
Distribution



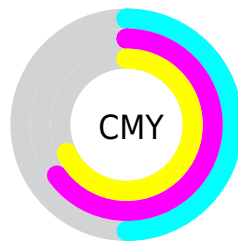
- Red (50%)
- Green (35%)
- Blue (32%)



- Red (50%)
- Yellow (35%)
- Blue (32%)



- Cyan (0%)
- Magenta (31%)
- Yellow (37%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1627, 0.3916, 0.3432 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 12.1627, 0.3916, 0.3432 by changing the saturation by 10% instead.


 12.1627, 0.3916,
0.3432


 12.1627, 0.3916,
0.3432


205.4795, 0.3431,
0.3357


 6.8546, 0.4084,
0.3449


 29.7911, 0.3710,
0.3405


 3.3713, 0.4341,
0.3466

 42.8801, 0.3642,
0.3394

 1.3285, 0.4823,
0.3504

 59.3316, 0.3589,
0.3386

 0.1631, 0.7663,
0.2337

 79.5300, 0.3545,
0.3378

 0.0000, 0.0000,
0.0000

 103.8595, 0.3509,
0.3372

132.7047, 0.3479,

0.3366

166.4499, 0.3453,
0.3361

■ 12.1627, 0.3916,
0.3432

■ 12.1627, 0.3916,
0.3432

■ 10.3324, 0.4237,
0.3470

■ 14.2977, 0.3645,
0.3392

■ 8.7911, 0.4606,
0.3502

■ 16.7485, 0.3420,
0.3352

■ 7.5244, 0.5013,
0.3521


■ 19.5279, 0.3234,
0.3314

■ 6.5161, 0.5431,
0.3520


■ 22.6475, 0.3080,
0.3279


■ 5.7482, 0.5815,
0.3495

■ 26.1184, 0.2953,
0.3247


 5.1979, 0.6126,
0.3451

 29.9508, 0.2847,
0.3217

 5.0587, 0.6220,
0.3443

 34.1551, 0.2759,
0.3190

 38.7407, 0.2685,
0.3166

 43.7170, 0.2622,
0.3144

Harmonies

Analogous

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



12.1627, 0.3672, 0.3101



12.1627, 0.3916, 0.3432



12.1627, 0.3929, 0.3752

Triad

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



12.1627, 0.3916, 0.3432



12.1627, 0.2940, 0.3832



12.1627, 0.2545, 0.2630

Complementary

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



12.1627, 0.3916, 0.3432



16.9828, 0.2613, 0.3141

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.



12.1627, 0.2380, 0.2768



12.1627, 0.3916, 0.3432



12.1627, 0.2596, 0.3462

Square

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



12.1627, 0.3916, 0.3432



12.1627, 0.3350, 0.4024



12.1627, 0.2397, 0.3064



12.1627, 0.2866, 0.2656

Rectangle

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



12.1627, 0.3916, 0.3432



12.1627, 0.3808, 0.3921



12.1627, 0.2397, 0.3064



12.1627, 0.2471, 0.2657

Sweetspot

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



12.1633, 0.3916, 0.3432



32.0908, 0.3314, 0.3331



11.8721, 0.3263, 0.2525



7.3862, 0.3334, 0.3335



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.1633, 0.3916, 0.3432



18.7059, 0.4178, 0.3464



16.5028, 0.3761, 0.3867



4.4398, 0.3275, 0.3323



5.0165, 0.6219, 0.3444



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.9828, 0.2613, 0.3141



28.4639, 0.2513, 0.3102



12.0863, 0.2544, 0.2633



4.7811, 0.2993, 0.3257



12.3748, 0.2118, 0.2825



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.1627, 0.3916, 0.3432 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 12.1627, 0.3916, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

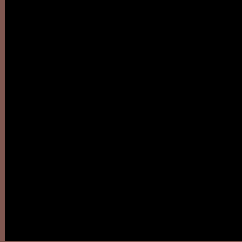
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1627, 0.3916, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 12.1627, 0.3916, 0.3432.



This preview shows how white text looks on a background with the Yxy color 12.1627, 0.3916, 0.3432.

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

12.1627, 0.3916, 0.3432

Protanopia

12.2908, 0.3375, 0.3563

Deuteranopia

12.1620, 0.3662, 0.3594



Tritanopia

12.1130, 0.3738, 0.3154

Trichromacy



Original Color

12.1627, 0.3916, 0.3432

Protanomaly

12.0902, 0.3566, 0.3510

Deuteranomaly

12.1554, 0.3756, 0.3544

Tritanomaly

12.2048, 0.3801, 0.3252

Monochromacy



Original Color

12.1627, 0.3916, 0.3432

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2721, 0.3406, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1627, 0.3916, 0.3432 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(128, 88, 81)` looks like.

```
.text, #text, p{  
    color:rgb(128, 88, 81)  
}
```

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(128, 88, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 88, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.1627, 0.3916, 0.3432 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(128, 88, 81) }
```

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

```
.border{ border-color:rgb(128, 88, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 88, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 88, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 88, 81);  
box-shadow:4px 4px 4px 4px rgb(128, 88,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1627, 0.3916, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 88, 81) }
```

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

```
.background{ background-color: rgb(128, 88,  
81) }
```

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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