

Converting Colors

$Y_{xy}(12.0356, 0.3731, 0.3215)$

Have a look what the booklet for
Yxy(12.0356, 0.3731, 0.3215)
contains.

Yxy(12.0837, 0.3734, 0.3212)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0837, 0.3734, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	7F575B
RGB	127, 87, 91
RGB Percent	50%, 34%, 36%
CMY	0.5020, 0.6588, 0.6431
CMYK	0.00, 0.31, 0.28, 0.50
HSL	354°, 19%, 42%
HSV	354°, 31%, 50%
XYZ	14.0475, 12.0837, 11.4893
YIQ	99.4160, 22.5560, 9.7240

Conversions

Conversions Part 2

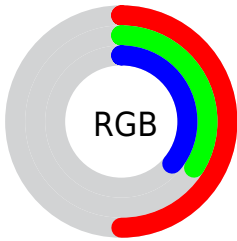
Format	Color
RYB	127, 87, 91
Decimal	8345435
CIELab	41.35, 17.16, 4.37
CIElCh	41, 17.710, 14.279
Yxy	12.0837, 0.3734, 0.3212
Android (android.graphics.Color)	4286535515 (0xFF7F575B)
YUV	99.4160, -4.1491, 24.1912
Hunter-Lab	34.7616, 11.3007, 4.7368

Details

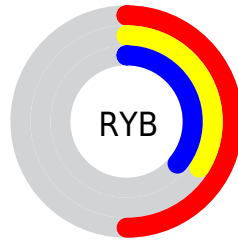
The Yxy color **12.0837, 0.3734, 0.3212** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.6323, 0.2731, 0.3371**, and the grayscale version is **12.5945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6382, 0.3580, 0.3234**, and **3.3531, 0.4089, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **10.0230, 0.4023, 0.3187**, and if you desaturate by 10%, it is **14.5374, 0.3497, 0.3238**.

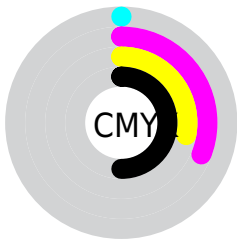
Distribution



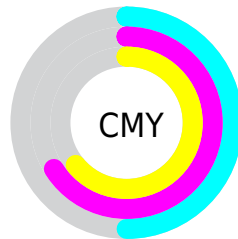
- Red (50%)
- Green (34%)
- Blue (36%)



- Red (50%)
- Yellow (34%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (28%)
- Black (50%)




- Cyan (50%)
- Magenta (66%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0837, 0.3734, 0.3212 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 12.0837, 0.3734, 0.3212 by changing the saturation by 10% instead.


 12.0837, 0.3734,
0.3212


 12.0837, 0.3734,
0.3212


204.9586, 0.3361,
0.3265


 6.8007, 0.3864,
0.3191


 29.6475, 0.3576,
0.3236


 3.3378, 0.4063,
0.3155

 42.6970, 0.3524,
0.3243

 1.3105, 0.4407,
0.3084

 59.1042, 0.3483,
0.3249

 0.1493, 0.7898,
0.2102

 79.2534, 0.3449,
0.3253

 0.0000, 0.0000,
0.0000

 103.5291, 0.3422,
0.3257

132.3156, 0.3398,

0.3260

165.9973, 0.3378,
0.3262

■ 12.0837, 0.3734,
0.3212

■ 12.0837, 0.3734,
0.3212

■ 10.0230, 0.4023,
0.3187

■ 14.5374, 0.3497,
0.3238

■ 8.3333, 0.4368,
0.3165

■ 17.4011, 0.3304,
0.3263

■ 6.9929, 0.4765,
0.3151


■ 20.6932, 0.3148,
0.3287

■ 5.9774, 0.5196,
0.3148


■ 24.4301, 0.3021,
0.3309


■ 5.2591, 0.5622,
0.3161


■ 28.6277, 0.2918,
0.3329


 4.8058, 0.5989,
0.3192

 33.3008, 0.2833,
0.3347

 4.5393, 0.6238,
0.3210

 38.4637, 0.2764,
0.3363

 44.1301, 0.2706,
0.3378

 50.3132, 0.2658,
0.3392

Harmonies

Analogous

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



12.0837, 0.3399, 0.2927



12.0837, 0.3734, 0.3212



12.0837, 0.3897, 0.3529

Triad

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



12.0837, 0.3734, 0.3212



12.0837, 0.3213, 0.3943



12.0837, 0.2455, 0.2739

Complementary

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



12.0837, 0.3734, 0.3212



18.6323, 0.2731, 0.3371

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.



12.0837, 0.2414, 0.2974



12.0837, 0.3734, 0.3212



12.0837, 0.2836, 0.3697

Square

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



12.0837, 0.3734, 0.3212



12.0837, 0.3582, 0.3975



12.0837, 0.2548, 0.3327



12.0837, 0.2663, 0.2658

Rectangle

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



12.0837, 0.3734, 0.3212



12.0837, 0.3882, 0.3726



12.0837, 0.2548, 0.3327



12.0837, 0.2422, 0.2801

Sweetspot

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



12.0843, 0.3734, 0.3212



32.4369, 0.3265, 0.3269



12.5601, 0.3103, 0.2530



7.4287, 0.3287, 0.3265



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.



12.0843, 0.3734, 0.3212



18.8391, 0.3943, 0.3193



14.9000, 0.3709, 0.3607



4.3507, 0.3264, 0.3269



4.5789, 0.6238, 0.3210



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0843, 0.3734, 0.3212



18.8391, 0.3943, 0.3193



14.9267, 0.2656, 0.2949



4.3507, 0.3264, 0.3269



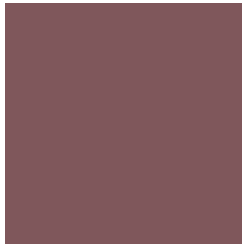
4.5789, 0.6238, 0.3210



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.0837, 0.3734, 0.3212 looks on a white background.

Color Contrast Check

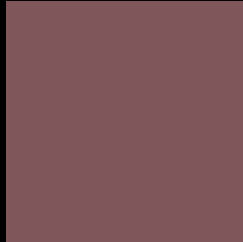
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0837, 0.3734, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

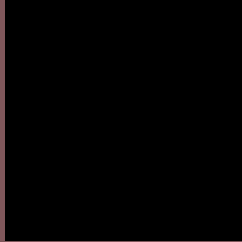
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0837, 0.3734, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 12.0837, 0.3734, 0.3212.



This preview shows how white text looks on a background with the Yxy color 12.0837, 0.3734, 0.3212.

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

12.0837, 0.3734, 0.3212

Protanopia

12.1218, 0.3172, 0.3290

Deuteranopia

12.0586, 0.3440, 0.3379



Tritanopia

12.1187, 0.3700, 0.3172

Trichromacy



Original Color

12.0837, 0.3734, 0.3212

Protanomaly

11.9699, 0.3367, 0.3247

Deuteranomaly

11.9334, 0.3550, 0.3313

Tritanomaly

12.1011, 0.3717, 0.3192

Monochromacy



Original Color

12.0837, 0.3734, 0.3212

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2802, 0.3330, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0837, 0.3734, 0.3212 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(127, 87, 91)` looks like.

```
.text, #text, p{  
    color:rgb(127, 87, 91)  
}
```

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(127, 87, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 87, 91) }
```

Border

The CSS property to change the border of an element to Yxy 12.0837, 0.3734, 0.3212 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(127, 87, 91) }
```

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

```
.border{ border-color:rgb(127, 87, 91) }
```

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

Here you see how a box with a 4 pixel rgb(127, 87, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 87, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 87, 91);  
box-shadow:4px 4px 4px 4px rgb(127, 87,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0837, 0.3734, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 87, 91) }
```

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

```
.background{ background-color: rgb(127, 87,  
91) }
```

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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