

Converting Colors

$Y_{xy}(12.3183, 0.4278, 0.3987)$

Have a look what the booklet for
Yxy(12.3183, 0.4278, 0.3987)
contains.

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Color

Yxy(12.2797, 0.4274, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	7F5B38
RGB	127, 91, 56
RGB Percent	50%, 36%, 22%
CMY	0.5020, 0.6431, 0.7804
CMYK	0.00, 0.28, 0.56, 0.50
HSL	30°, 39%, 36%
HSV	30°, 56%, 50%
XYZ	13.2067, 12.2797, 5.4137
YIQ	97.7740, 32.6910, -3.2530

Conversions

Conversions Part 2

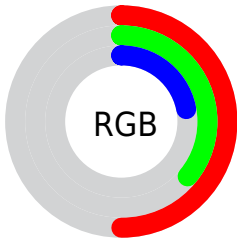
Format	Color
R_{YB}	127, 125, 56
Decimal	8346424
CIE _{Lab}	41.66, 10.45, 25.87
CIE _{LCh}	42, 27.898, 67.999
Yxy	12.2797, 0.4274, 0.3974
Android (android.graphics.Color)	4286536504 (0xFF7F5B38)
YUV	97.7740, -20.5946, 25.6312
Hunter-Lab	35.0424, 5.9485, 15.3700

Details

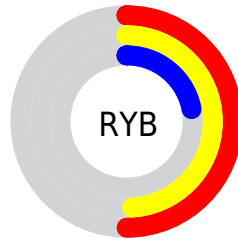
The Yxy color **12.2797, 0.4274, 0.3974** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.0232, 0.2274, 0.2455**, and the grayscale version is **12.2010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9943, 0.3987, 0.3819**, and **3.3992, 0.4821, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **11.1176, 0.4540, 0.4068**, and if you desaturate by 10%, it is **13.5690, 0.4020, 0.3860**.

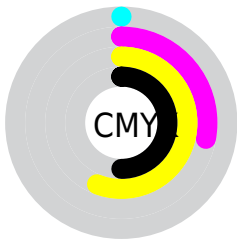
Distribution



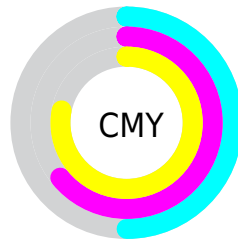
- Red (50%)
- Green (36%)
- Blue (22%)



- Red (50%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (28%)
- Yellow (56%)
- Black (50%)



- Cyan (50%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2797, 0.4274, 0.3974 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 12.2797, 0.4274, 0.3974 by changing the saturation by 10% instead.

12.2797, 0.4274,
0.3974

12.2797, 0.4274,
0.3974

206.2483, 0.3580,
0.3587

6.9345, 0.4496,
0.4076

30.0035, 0.3987,
0.3825

3.4211, 0.4814,
0.4201

43.1509, 0.3890,
0.3771

1.3554, 0.5502,
0.4498

59.6677, 0.3813,
0.3727

0.1835, 0.7007,
0.2993

79.9385, 0.3749,
0.3690

0.0000, 0.0000,
0.0000

104.3475, 0.3696,
0.3658

133.2792, 0.3652,

0.3631

167.1180, 0.3613,
0.3608

■ 12.2797, 0.4274,
0.3974

■ 12.2797, 0.4274,
0.3974

■ 11.1176, 0.4540,
0.4068

■ 13.5690, 0.4020,
0.3860

■ 10.0761, 0.4807,
0.4130

■ 14.9880, 0.3785,
0.3735

■ 9.1505, 0.5059,
0.4149

■ 16.5417, 0.3573,
0.3606

■ 8.3335, 0.5286,
0.4123

■ 18.2339, 0.3383,
0.3480

■ 8.0258, 0.5381,
0.4109

■ 20.0684, 0.3216,
0.3359

■ 22.0489, 0.3070,
0.3244

■ 24.1788, 0.2941,
0.3138

■ 26.4614, 0.2829,
0.3039

■ 28.8999, 0.2732,
0.2949

Harmonies

Analogous

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



12.2797, 0.4313, 0.3519



12.2797, 0.4274, 0.3974



12.2797, 0.3914, 0.4317

Triad

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



12.2797, 0.4274, 0.3974



12.2797, 0.2310, 0.3462



12.2797, 0.2803, 0.2413

Complementary

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



12.2797, 0.4274, 0.3974



10.0232, 0.2274, 0.2455

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.



12.2797, 0.2333, 0.2343



12.2797, 0.4274, 0.3974



12.2797, 0.2071, 0.2877

Square

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



12.2797, 0.4274, 0.3974



12.2797, 0.2774, 0.4059



12.2797, 0.2081, 0.2491



12.2797, 0.3412, 0.2668

Rectangle

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



12.2797, 0.4274, 0.3974



12.2797, 0.3557, 0.4403



12.2797, 0.2081, 0.2491



12.2797, 0.2625, 0.2367

Sweetspot

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



12.2803, 0.4274, 0.3974



32.1868, 0.3410, 0.3499



8.1234, 0.3855, 0.2582



7.4175, 0.3440, 0.3519



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.



12.2803, 0.4274, 0.3974



19.3893, 0.4612, 0.4088



19.6713, 0.3911, 0.4551



4.6671, 0.3267, 0.3397



8.0919, 0.5381, 0.4109



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0232, 0.2274, 0.2455



14.9132, 0.2101, 0.2222



5.3157, 0.2102, 0.1611



4.5438, 0.2993, 0.3181



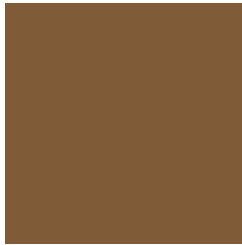
5.2829, 0.1792, 0.1652



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.2797, 0.4274, 0.3974 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 12.2797, 0.4274, 0.3974 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 12.2797, 0.4274, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 12.2797, 0.4274, 0.3974.



This preview shows how white text looks on a background with the Yxy color 12.2797, 0.4274, 0.3974.

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

12.2797, 0.4274, 0.3974

Protanopia

12.4276, 0.3838, 0.4171

Deuteranopia

12.2743, 0.4140, 0.4086



Tritanopia

12.3525, 0.3749, 0.3174

Trichromacy



Original Color

12.2797, 0.4274, 0.3974

Protanomaly

12.3161, 0.3995, 0.4094

Deuteranomaly

12.3155, 0.4201, 0.4050

Tritanomaly

12.2258, 0.3949, 0.3451

Monochromacy



Original Color

12.2797, 0.4274, 0.3974

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0602, 0.3528, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2797, 0.4274, 0.3974 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, 91, 56)` looks like.

```
.text, #text, p{  
    color:rgb(127, 91, 56)  
}
```

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, 91, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 91, 56) }
```

Border

The CSS property to change the border of an element to Yxy 12.2797, 0.4274, 0.3974 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, 91, 56) }
```

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

```
.border{ border-color:rgb(127, 91, 56) }
```

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

Here you see how a box with a 4 pixel rgb(127, 91, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 91, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 91, 56);  
box-shadow:4px 4px 4px 4px rgb(127, 91,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2797, 0.4274, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 91, 56) }
```

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

```
.background{ background-color: rgb(127, 91,  
56) }
```

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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