

Converting Colors

$Y_{xy}(12.3134, 0.4393, 0.3754)$

Have a look what the booklet for
Yxy(12.3134, 0.4393, 0.3754)
contains.

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Color

Yxy(12.2267, 0.4398, 0.3754)

Conversions

Conversions Part 1

Format	Color
Hex	88563D
RGB	136, 86, 61
RGB Percent	53%, 34%, 24%
CMY	0.4666, 0.6627, 0.7608
CMYK	0.00, 0.37, 0.55, 0.47
HSL	20°, 38%, 39%
HSV	20°, 55%, 53%
XYZ	14.3242, 12.2267, 6.0189
YIQ	98.1000, 37.8250, 2.8250

Conversions

Conversions Part 2

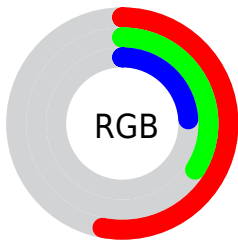
Format	Color
R _Y B	136, 99, 61
Decimal	8934973
CIE Lab	41.57, 17.92, 23.08
CIE LCh	42, 29.217, 52.177
Yxy	12.2267, 0.4398, 0.3754
Android (android.graphics.Color)	4287125053 (0xFF88563D)
YUV	98.1000, -18.2903, 33.2383
Hunter-Lab	34.9667, 11.9312, 14.2710

Details

The Yxy color **12.2267, 0.4398, 0.3754** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.1388, 0.2337, 0.2741**, and the grayscale version is **12.2798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9189, 0.4076, 0.3662**, and **3.4003, 0.5023, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **10.7417, 0.4730, 0.3813**, and if you desaturate by 10%, it is **13.9338, 0.4092, 0.3677**.

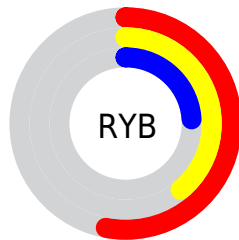
Distribution



Red (53%)

Green (34%)

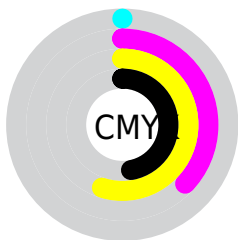
Blue (24%)



Red (53%)

Yellow (39%)

Blue (24%)

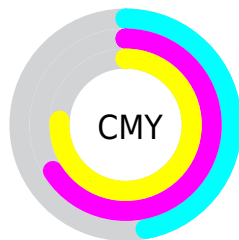


Cyan (0%)

Magenta (37%)

Yellow (55%)

Black (47%)



Cyan (47%)

Magenta (66%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2267, 0.4398, 0.3754 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 12.2267, 0.4398, 0.3754 by changing the saturation by 10% instead.


 12.2267, 0.4398,
0.3754


 12.2267, 0.4398,
0.3754


 205.9004, 0.3623,
0.3507


 6.8983, 0.4653,
0.3808


 29.9073, 0.4074,
0.3665

 3.3986, 0.5022,
0.3857

 43.0283, 0.3966,
0.3631


 1.3432, 0.5916,
0.4084

 59.5156, 0.3880,
0.3602

 0.1743, 0.7758,
0.2242

 79.7536, 0.3809,
0.3577

 0.0000, 0.0000,
0.0000

 104.1266, 0.3751,
0.3555

 133.0192, 0.3701,

0.3537

166.8157, 0.3659,
0.3521

■ 12.2267, 0.4398,
0.3754

■ 12.2267, 0.4398,
0.3754

■ 10.7417, 0.4730,
0.3813

■ 13.9338, 0.4092,
0.3677

■ 9.4673, 0.5074,
0.3843

■ 15.8703, 0.3820,
0.3590

■ 8.3934, 0.5405,
0.3833

■ 18.0452, 0.3584,
0.3501

■ 7.5077, 0.5697,
0.3779

■ 20.4667, 0.3380,
0.3414

■ 7.1376, 0.5834,
0.3750

■ 23.1423, 0.3206,
0.3331

■ 26.0795, 0.3058,
0.3253

■ 29.2852, 0.2933,
0.3181

■ 32.7662, 0.2825,
0.3116

■ 36.5289, 0.2733,
0.3056

Harmonies

Analogous

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



12.2267, 0.4235, 0.3267



12.2267, 0.4398, 0.3754



12.2267, 0.4182, 0.4195

Triad

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



12.2267, 0.4398, 0.3754



12.2267, 0.2502, 0.3819



12.2267, 0.2503, 0.2311

Complementary

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



12.2267, 0.4398, 0.3754



14.1388, 0.2337, 0.2741

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.



12.2267, 0.2130, 0.2352



12.2267, 0.4398, 0.3754



12.2267, 0.2124, 0.3159

Square

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



12.2267, 0.4398, 0.3754



12.2267, 0.3072, 0.4332



12.2267, 0.1999, 0.2633



12.2267, 0.3078, 0.2480

Rectangle

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



12.2267, 0.4398, 0.3754



12.2267, 0.3874, 0.4396



12.2267, 0.1999, 0.2633



12.2267, 0.2353, 0.2300

Sweetspot

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



12.2273, 0.4398, 0.3754



35.0810, 0.3422, 0.3433



9.7195, 0.3623, 0.2397



7.9532, 0.3456, 0.3448



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.



12.2273, 0.4398, 0.3754



18.3844, 0.4808, 0.3823



19.8633, 0.4005, 0.4385



5.3033, 0.3273, 0.3363



6.7706, 0.5830, 0.3753



0.0698, 0.5103, 0.4330

Inverse Universe

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



14.1388, 0.2337, 0.2741



22.0469, 0.2195, 0.2593



7.6002, 0.2159, 0.1868



5.4124, 0.2991, 0.3215



8.7272, 0.1943, 0.2194



0.0850, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 12.2267, 0.4398, 0.3754 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 12.2267, 0.4398, 0.3754 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 12.2267, 0.4398, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 12.2267, 0.4398, 0.3754.



This preview shows how white text looks on a background with the Yxy color 12.2267, 0.4398, 0.3754.

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

12.2267, 0.4398, 0.3754

Protanopia

12.2545, 0.3732, 0.4006

Deuteranopia

12.2431, 0.4067, 0.4015



Tritanopia

12.1591, 0.3979, 0.3162

Trichromacy



Original Color

12.2267, 0.4398, 0.3754

Protanomaly

12.2271, 0.3976, 0.3921

Deuteranomaly

12.1684, 0.4182, 0.3910

Tritanomaly

12.0694, 0.4136, 0.3368

Monochromacy



Original Color

12.2267, 0.4398, 0.3754

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1060, 0.3551, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2267, 0.4398, 0.3754 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, 86, 61)` looks like.

```
.text, #text, p{  
    color:rgb(136, 86, 61)  
}
```

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, 86, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 86, 61) }
```

Border

The CSS property to change the border of an element to Yxy 12.2267, 0.4398, 0.3754 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, 86, 61) }
```

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

```
.border{ border-color:rgb(136, 86, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 86, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 86, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 86, 61);  
box-shadow:4px 4px 4px 4px rgb(136, 86,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2267, 0.4398, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 86, 61) }
```

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

```
.background{ background-color: rgb(136, 86,  
61) }
```

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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