

Converting Colors

$Y_{xy}(13.1244, 0.4090, 0.4047)$

Have a look what the booklet for
Yxy(13.1244, 0.4090, 0.4047)
contains.

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Color

Yxy(13.0866, 0.4086, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	7B613C
RGB	123, 97, 60
RGB Percent	48%, 38%, 24%
CMY	0.5177, 0.6196, 0.7647
CMYK	0.00, 0.21, 0.51, 0.52
HSL	35°, 34%, 36%
HSV	35°, 51%, 48%
XYZ	13.2586, 13.0866, 6.1036
YIQ	100.5560, 27.3730, -5.9950

Conversions

Conversions Part 2

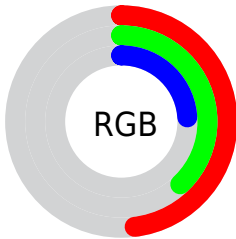
Format	Color
RYB	104, 123, 60
Decimal	8085820
CIELab	42.89, 5.46, 25.00
CIELCh	43, 25.587, 77.676
Yxy	13.0866, 0.4086, 0.4033
Android (android.graphics.Color)	4286275900 (0xFF7B613C)
YUV	100.5560, -19.9941, 19.6834
Hunter-Lab	36.1754, 2.1147, 15.3192

Details

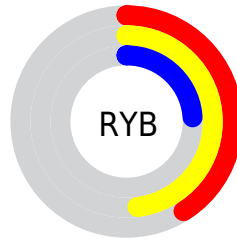
The Yxy color **13.0866, 0.4086, 0.4033** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0473, 0.2317, 0.2391**, and the grayscale version is **12.9412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2973, 0.3854, 0.3857**, and **3.7828, 0.4517, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **12.0636, 0.4314, 0.4158**, and if you desaturate by 10%, it is **14.2011, 0.3866, 0.3892**.

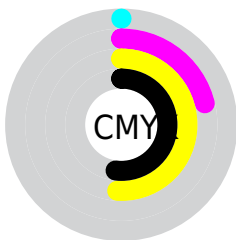
Distribution



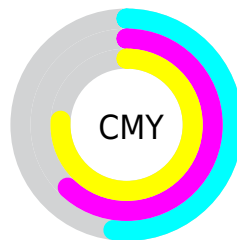
- Red (48%)
- Green (38%)
- Blue (24%)



- Red (41%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (21%)
- Yellow (51%)
- Black (52%)





- Cyan (52%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0866, 0.4086, 0.4033 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 13.0866, 0.4086, 0.4033 by changing the saturation by 10% instead.


 13.0866, 0.4086,
0.4033


 13.0866, 0.4086,
0.4033


211.4719, 0.3512,
0.3603

 7.4882, 0.4267,
0.4157


 31.4593, 0.3851,
0.3862

 3.7693, 0.4520,
0.4319

 45.0023, 0.3771,
0.3802

 1.5453, 0.5195,
0.4805

 61.9624, 0.3706,
0.3753

 0.3203, 0.5775,
0.4225

 82.7239, 0.3654,
0.3713

 0.0000, 0.0000,
0.0000

 107.6712, 0.3610,
0.3679

 137.1887, 0.3572,

0.3650

171.6608, 0.3540,
0.3625

■ 13.0866, 0.4086,
0.4033

■ 13.0866, 0.4086,
0.4033

■ 12.0636, 0.4314,
0.4158

■ 14.2011, 0.3866,
0.3892

■ 11.1270, 0.4541,
0.4256

■ 15.4083, 0.3660,
0.3743

■ 10.2740, 0.4758,
0.4317

■ 16.7116, 0.3470,
0.3593

■ 9.5004, 0.4952,
0.4332

■ 18.1137, 0.3298,
0.3446

■ 8.8763, 0.5113,
0.4322

■ 19.6171, 0.3145,
0.3306

■ 21.2242, 0.3008,
0.3175

■ 22.9374, 0.2886,
0.3052

■ 24.7589, 0.2779,
0.2939

■ 26.6908, 0.2683,
0.2835

Harmonies

Analogous

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



13.0866, 0.4218, 0.3644



13.0866, 0.4086, 0.4033



13.0866, 0.3694, 0.4267

Triad

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



13.0866, 0.4086, 0.4033



13.0866, 0.2294, 0.3267



13.0866, 0.3007, 0.2550

Complementary

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



13.0866, 0.4086, 0.4033



9.0473, 0.2317, 0.2391

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.



13.0866, 0.2527, 0.2429



13.0866, 0.4086, 0.4033



13.0866, 0.2146, 0.2787

Square

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



13.0866, 0.4086, 0.4033



13.0866, 0.2659, 0.3818



13.0866, 0.2227, 0.2501



13.0866, 0.3565, 0.2830

Rectangle

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



13.0866, 0.4086, 0.4033



13.0866, 0.3351, 0.4266



13.0866, 0.2227, 0.2501



13.0866, 0.2832, 0.2490

Sweetspot

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



13.0872, 0.4086, 0.4033



31.3726, 0.3368, 0.3507



8.1197, 0.3901, 0.2760



7.2857, 0.3398, 0.3532



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.0872, 0.4086, 0.4033



21.3790, 0.4344, 0.4172



18.3254, 0.3771, 0.4506



4.3696, 0.3264, 0.3416



9.1721, 0.5115, 0.4321



42.0439, 0.5176, 0.4272

Inverse Universe

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



9.0473, 0.2317, 0.2391



13.3256, 0.2142, 0.2148



5.7957, 0.2263, 0.1775



4.1401, 0.2994, 0.3161



3.8967, 0.1711, 0.1359



16.9939, 0.1685, 0.1267

Previews

White Background



This preview shows how the Yxy color 13.0866, 0.4086, 0.4033 looks on a white background.

Color Contrast Check

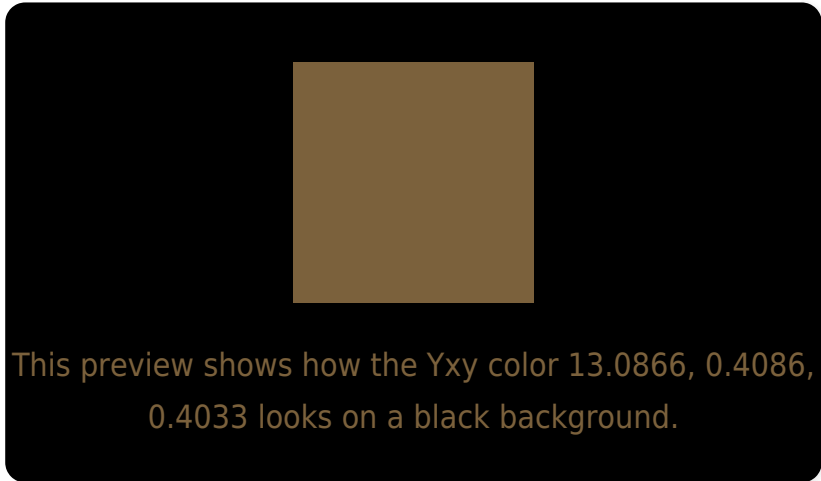
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.0866, 0.4086, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 13.0866, 0.4086, 0.4033.



This preview shows how white text looks on a background with the Yxy color 13.0866, 0.4086, 0.4033.

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

13.0866, 0.4086, 0.4033

Protanopia

13.2301, 0.3820, 0.4151

Deuteranopia

13.0866, 0.4086, 0.4033



Tritanopia

12.9908, 0.3563, 0.3152

Trichromacy



Original Color

13.0866, 0.4086, 0.4033

Protanomaly

13.0961, 0.3915, 0.4112

Deuteranomaly

13.0866, 0.4086, 0.4033

Tritanomaly

13.0213, 0.3761, 0.3474

Monochromacy



Original Color

13.0866, 0.4086, 0.4033

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0374, 0.3461, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0866, 0.4086, 0.4033 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(123, 97, 60)` looks like.

```
.text, #text, p{  
    color:rgb(123, 97, 60)  
}
```

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(123, 97, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 97, 60) }
```

Border

The CSS property to change the border of an element to Yxy 13.0866, 0.4086, 0.4033 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(123, 97, 60) }
```

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

```
.border{ border-color:rgb(123, 97, 60) }
```

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

Here you see how a box with a 4 pixel rgb(123, 97, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 97, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 97, 60);  
box-shadow:4px 4px 4px 4px rgb(123, 97,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0866, 0.4086, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 97, 60) }
```

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

```
.background{ background-color: rgb(123, 97,  
60) }
```

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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