

Converting Colors

$Y_{xy}(13.0658, 0.4114, 0.4070)$

Have a look what the booklet for
Yxy(13.0658, 0.4114, 0.4070)
contains.

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Color

Yxy(13.0658, 0.4114, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	7B613A
RGB	123, 97, 58
RGB Percent	48%, 38%, 23%
CMY	0.5176, 0.6196, 0.7725
CMYK	0.00, 0.21, 0.53, 0.52
HSL	36°, 36%, 35%
HSV	36°, 53%, 48%
XYZ	13.2071, 13.0658, 5.8299
YIQ	100.3280, 28.0150, -6.6170

Conversions

Conversions Part 2

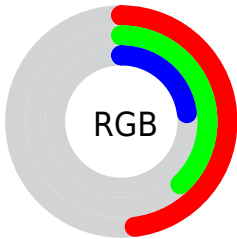
Format	Color
RYB	101, 123, 58
Decimal	8085818
CIELab	42.86, 5.26, 26.11
CIELCh	43, 26.630, 78.609
Yxy	13.0658, 0.4114, 0.4070
Android (android.graphics.Color)	4286275898 (0xFF7B613A)
YUV	100.3280, -20.8677, 19.8833
Hunter-Lab	36.1466, 1.9627, 15.7402

Details

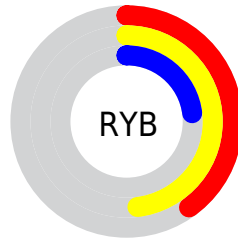
The Yxy color **13.0658, 0.4114, 0.4070** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6717, 0.2287, 0.2336**, and the grayscale version is **12.8817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2552, 0.3874, 0.3885**, and **3.7771, 0.4550, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **12.0745, 0.4338, 0.4194**, and if you desaturate by 10%, it is **14.1447, 0.3896, 0.3928**.

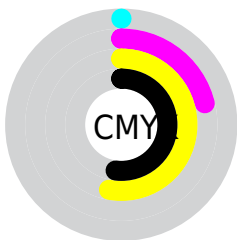
Distribution



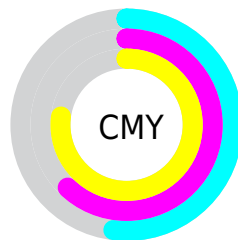
- Red (48%)
- Green (38%)
- Blue (23%)



- Red (40%)
- Yellow (48%)
- Blue (23%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (52%)




- Cyan (52%)
- Magenta (62%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0658, 0.4114, 0.4070 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 13.0658, 0.4114, 0.4070 by changing the saturation by 10% instead.


 13.0658, 0.4114,
0.4070


 13.0658, 0.4114,
0.4070


 211.3389, 0.3525,
0.3619


 7.4739, 0.4298,
0.4199


 31.4219, 0.3873,
0.3892


 3.7602, 0.4553,
0.4366

 44.9550, 0.3791,
0.3829

 1.5403, 0.5183,
0.4817

 61.9038, 0.3725,
0.3777

 0.3169, 0.5755,
0.4245

 82.6528, 0.3670,
0.3735

 0.0000, 0.0000,
0.0000

 107.5864, 0.3625,
0.3699

 137.0891, 0.3587,

0.3668

171.5451, 0.3554,
0.3642

■ 13.0658, 0.4114,
0.4070

■ 13.0658, 0.4114,
0.4070

■ 12.0745, 0.4338,
0.4194

■ 14.1447, 0.3896,
0.3928

■ 11.1657, 0.4559,
0.4289

■ 15.3122, 0.3689,
0.3777

■ 10.3366, 0.4767,
0.4345

■ 16.5718, 0.3498,
0.3624

■ 9.5831, 0.4950,
0.4355

■ 17.9260, 0.3325,
0.3474

■ 9.0816, 0.5079,
0.4350

■ 19.3772, 0.3168,
0.3329

■ 20.9279, 0.3029,
0.3194

■ 22.5803, 0.2905,
0.3067

■ 24.3366, 0.2795,
0.2949

■ 26.1988, 0.2697,
0.2841

Harmonies

Analogous

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



13.0658, 0.4263, 0.3668



13.0658, 0.4114, 0.4070



13.0658, 0.3699, 0.4311

Triad

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



13.0658, 0.4114, 0.4070



13.0658, 0.2254, 0.3247



13.0658, 0.3019, 0.2530

Complementary

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



13.0658, 0.4114, 0.4070



8.6717, 0.2287, 0.2336

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.



13.0658, 0.2517, 0.2399



13.0658, 0.4114, 0.4070



13.0658, 0.2109, 0.2753

Square

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



13.0658, 0.4114, 0.4070



13.0658, 0.2625, 0.3825



13.0658, 0.2200, 0.2465



13.0658, 0.3600, 0.2823

Rectangle

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



13.0658, 0.4114, 0.4070



13.0658, 0.3340, 0.4305



13.0658, 0.2200, 0.2465



13.0658, 0.2835, 0.2466

Sweetspot

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



13.0664, 0.4114, 0.4070



31.2187, 0.3384, 0.3526



7.8953, 0.3938, 0.2745



7.2568, 0.3413, 0.3551



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.



13.0664, 0.4114, 0.4070



21.3334, 0.4376, 0.4212



18.2943, 0.3788, 0.4541



4.3775, 0.3264, 0.3418



9.3839, 0.5080, 0.4348



43.0623, 0.5139, 0.4301

Inverse Universe

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



8.6717, 0.2287, 0.2336



12.6045, 0.2106, 0.2076



5.5279, 0.2231, 0.1721



4.1323, 0.2994, 0.3158



3.7592, 0.1700, 0.1321



16.3616, 0.1675, 0.1229

Previews

White Background



This preview shows how the Yxy color 13.0658, 0.4114, 0.4070 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 13.0658, 0.4114, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

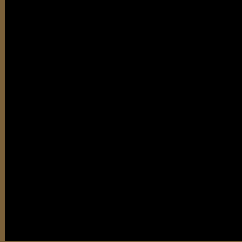
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0658, 0.4114, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 13.0658, 0.4114, 0.4070.



This preview shows how white text looks on a background with the Yxy color 13.0658, 0.4114, 0.4070.

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

13.0658, 0.4114, 0.4070

Protanopia

13.0131, 0.3855, 0.4172

Deuteranopia

13.1400, 0.4130, 0.4065



Tritanopia

13.0672, 0.3579, 0.3153

Trichromacy



Original Color

13.0658, 0.4114, 0.4070

Protanomaly

13.0749, 0.3942, 0.4151

Deuteranomaly

13.1400, 0.4130, 0.4065

Tritanomaly

13.0811, 0.3793, 0.3493

Monochromacy



Original Color

13.0658, 0.4114, 0.4070

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7677, 0.3464, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0658, 0.4114, 0.4070 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(123, 97, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 97, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.0658, 0.4114, 0.4070 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, 58) }
```

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

```
.border{ border-color:rgb(123, 97, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 97, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 97, 58);  
box-shadow:4px 4px 4px 4px rgb(123, 97,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0658, 0.4114, 0.4070 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, 58) }
```

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

```
.background{ background-color: rgb(123, 97,  
58) }
```

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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