

Converting Colors

$Y_{xy}(13.2651, 0.4101, 0.4173)$

Have a look what the booklet for
Yxy(13.2651, 0.4101, 0.4173)
contains.

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Color

Yxy(13.2645, 0.4101, 0.4173)

Conversions

Conversions Part 1

Format	Color
Hex	796337
RGB	121, 99, 55
RGB Percent	47%, 39%, 22%
CMY	0.5255, 0.6117, 0.7844
CMYK	0.00, 0.18, 0.55, 0.53
HSL	40°, 38%, 35%
HSV	40°, 55%, 47%
XYZ	13.0356, 13.2645, 5.4863
YIQ	100.5620, 27.2360, -9.0200

Conversions

Conversions Part 2

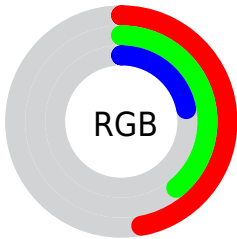
Format	Color
RYB	88, 121, 55
Decimal	7955255
CIELab	43.16, 2.85, 28.13
CIELCh	43, 28.272, 84.206
Yxy	13.2645, 0.4101, 0.4173
Android (android.graphics.Color)	4286145335 (0xFF796337)
YUV	100.5620, -22.4621, 17.9241
Hunter-Lab	36.4205, 0.1530, 16.5629

Details

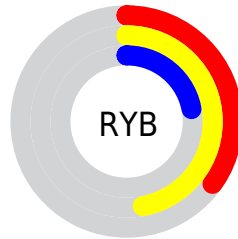
The Yxy color **13.2645, 0.4101, 0.4173** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.4967, 0.2238, 0.2185**, and the grayscale version is **12.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9059, 0.3865, 0.3974**, and **3.8702, 0.4505, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **12.4182, 0.4302, 0.4305**, and if you desaturate by 10%, it is **14.1786, 0.3900, 0.4020**.

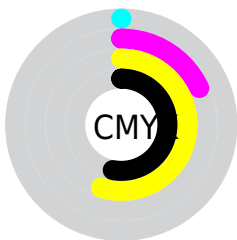
Distribution



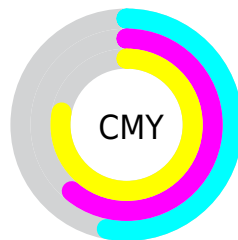
- Red (47%)
- Green (39%)
- Blue (22%)



- Red (35%)
- Yellow (47%)
- Blue (22%)



- Cyan (0%)
- Magenta (18%)
- Yellow (55%)
- Black (53%)





- Cyan (53%)
- Magenta (61%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2645, 0.4101, 0.4173 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 13.2645, 0.4101, 0.4173 by changing the saturation by 10% instead.


 13.2645, 0.4101,
0.4173


 13.2645, 0.4101,
0.4173


 212.6059, 0.3525,
0.3660


 7.6109, 0.4275,
0.4321


 31.7782, 0.3868,
0.3969


 3.8470, 0.4515,
0.4517

 45.4070, 0.3788,
0.3898

 1.5884, 0.5041,
0.4959

 62.4631, 0.3723,
0.3839

 0.3497, 0.5348,
0.4652

 83.3309, 0.3669,
0.3791

 0.0000, 0.0000,
0.0000

 108.3946, 0.3624,
0.3750

 138.0388, 0.3586,

0.3716

172.6478, 0.3553,
0.3686

■ 13.2645, 0.4101,
0.4173

■ 13.2645, 0.4101,
0.4173

■ 12.4182, 0.4302,
0.4305

■ 14.1786, 0.3900,
0.4020

■ 11.6352, 0.4494,
0.4407

■ 15.1612, 0.3705,
0.3856

■ 10.9132, 0.4668,
0.4469

■ 16.2150, 0.3520,
0.3688

■ 10.2479, 0.4818,
0.4487

■ 17.3422, 0.3350,
0.3521

■ 9.9032, 0.4900,
0.4491

■ 18.5449, 0.3193,
0.3360

■ 19.8249, 0.3052,
0.3208

■ 21.1840, 0.2925,
0.3065

■ 22.6241, 0.2811,
0.2933

■ 24.1467, 0.2709,
0.2810

Harmonies

Analogous

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



13.2645, 0.4323, 0.3767



13.2645, 0.4101, 0.4173



13.2645, 0.3624, 0.4384

Triad

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



13.2645, 0.4101, 0.4173



13.2645, 0.2161, 0.3131



13.2645, 0.3124, 0.2538

Complementary

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



13.2645, 0.4101, 0.4173



7.4967, 0.2238, 0.2185

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.



13.2645, 0.2569, 0.2366



13.2645, 0.4101, 0.4173



13.2645, 0.2057, 0.2647

Square

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



13.2645, 0.4101, 0.4173



13.2645, 0.2508, 0.3746



13.2645, 0.2198, 0.2392



13.2645, 0.3734, 0.2870

Rectangle

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



13.2645, 0.4101, 0.4173



13.2645, 0.3237, 0.4335



13.2645, 0.2198, 0.2392



13.2645, 0.2924, 0.2461

Sweetspot

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



13.2651, 0.4101, 0.4173



30.6760, 0.3380, 0.3552



7.3316, 0.4105, 0.2842



6.9387, 0.3407, 0.3578



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.2651, 0.4101, 0.4173



21.9406, 0.4343, 0.4329



17.2631, 0.3729, 0.4612



4.4196, 0.3262, 0.3432



10.5931, 0.4903, 0.4489



48.9170, 0.4949, 0.4452

Inverse Universe

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



7.4967, 0.2238, 0.2185



10.5332, 0.2044, 0.1889



5.2697, 0.2274, 0.1696



4.0916, 0.2994, 0.3144



3.1086, 0.1649, 0.1136



13.4119, 0.1624, 0.1046

Previews

White Background



This preview shows how the Yxy color 13.2645, 0.4101, 0.4173 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 13.2645, 0.4101, 0.4173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

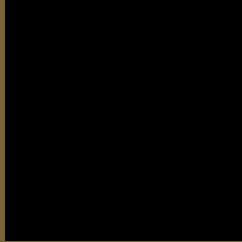
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2645, 0.4101, 0.4173

Background



This preview shows how black text looks on a background with the Yxy color 13.2645, 0.4101, 0.4173.



This preview shows how white text looks on a background with the Yxy color 13.2645, 0.4101, 0.4173.

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

13.2645, 0.4101, 0.4173

Protanopia

13.2330, 0.3914, 0.4264

Deuteranopia

13.1852, 0.4187, 0.4113



Tritanopia

13.3050, 0.3508, 0.3152

Trichromacy



Original Color

13.2645, 0.4101, 0.4173

Protanomaly

13.2377, 0.3972, 0.4227

Deuteranomaly

13.2963, 0.4160, 0.4137

Tritanomaly

13.2909, 0.3749, 0.3535

Monochromacy



Original Color

13.2645, 0.4101, 0.4173

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9426, 0.3475, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2645, 0.4101, 0.4173 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(121, 99, 55)` looks like.

```
.text, #text, p{  
  color:rgb(121, 99, 55)  
}
```

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(121, 99, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 99, 55) }
```

Border

The CSS property to change the border of an element to Yxy 13.2645, 0.4101, 0.4173 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(121, 99, 55) }
```

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

```
.border{ border-color:rgb(121, 99, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 99, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 99, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 99, 55);  
box-shadow:4px 4px 4px 4px rgb(121, 99,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2645, 0.4101, 0.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 99, 55) }
```

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

```
.background{ background-color: rgb(121, 99,  
55) }
```

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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