

Converting Colors

$Y_{xy}(13.6223, 0.4102, 0.3925)$

Have a look what the booklet for
Yxy(13.6223, 0.4102, 0.3925)
contains.

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Color

Yxy(13.5982, 0.4110, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	816141
RGB	129, 97, 65
RGB Percent	51%, 38%, 25%
CMY	0.4941, 0.6196, 0.7452
CMYK	0.00, 0.25, 0.50, 0.49
HSL	30°, 33%, 38%
HSV	30°, 50%, 51%
XYZ	14.2828, 13.5982, 6.8703
YIQ	102.9200, 29.3440, -3.1680

Conversions

Conversions Part 2

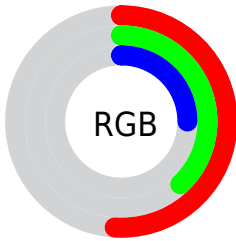
Format	Color
R_{YB}	129, 129, 65
Decimal	8479041
CIE Lab	43.65, 8.71, 23.22
CIE LCh	44, 24.803, 69.447
Yxy	13.5982, 0.4110, 0.3913
Android (android.graphics.Color)	4286669121 (0xFF816141)
YUV	102.9200, -18.6946, 22.8722
Hunter-Lab	36.8757, 4.6045, 14.7667

Details

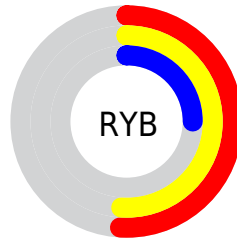
The Yxy color **13.5982, 0.4110, 0.3913** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.2565, 0.2364, 0.2554**, and the grayscale version is **13.5860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5624, 0.3874, 0.3784**, and **3.9996, 0.4548, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **12.3222, 0.4368, 0.4022**, and if you desaturate by 10%, it is **15.0066, 0.3869, 0.3789**.

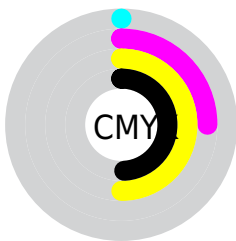
Distribution



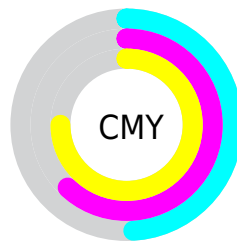
- Red (51%)
- Green (38%)
- Blue (25%)



- Red (51%)
- Yellow (51%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (50%)
- Black (49%)



- Cyan (49%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5982, 0.4110, 0.3913 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 13.5982, 0.4110, 0.3913 by changing the saturation by 10% instead.


 13.5982, 0.4110,
0.3913


 13.5982, 0.4110,
0.3913


214.7167, 0.3521,
0.3559

 7.8417, 0.4298,
0.4012


 32.3744, 0.3868,
0.3775


 3.9939, 0.4565,
0.4138

 46.1629, 0.3786,
0.3725

 1.6701, 0.5334,
0.4605

 63.3975, 0.3720,
0.3685

 0.4042, 0.5962,
0.4038

 84.4627, 0.3666,
0.3651

 0.0000, 0.0000,
0.0000

 109.7428, 0.3621,
0.3623

 139.6223, 0.3582,

0.3598

174.4854, 0.3550,
0.3577

■ 13.5982, 0.4110,
0.3913

■ 13.5982, 0.4110,
0.3913

■ 12.3222, 0.4368,
0.4022

■ 15.0066, 0.3869,
0.3789

■ 11.1720, 0.4633,
0.4107

■ 16.5498, 0.3648,
0.3660

■ 10.1431, 0.4893,
0.4155

■ 18.2326, 0.3451,
0.3530

■ 9.2301, 0.5133,
0.4158

■ 20.0587, 0.3276,
0.3405

■ 8.4211, 0.5355,
0.4124

■ 22.0321, 0.3122,
0.3286

■ 8.3928, 0.5364,
0.4123

■ 24.1562, 0.2987,
0.3175

■ 26.4344, 0.2869,
0.3071

■ 28.8701, 0.2766,
0.2977

■ 31.4665, 0.2675,
0.2889

Harmonies

Analogous

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



13.5982, 0.4151, 0.3521



13.5982, 0.4110, 0.3913



13.5982, 0.3794, 0.4188

Triad

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



13.5982, 0.4110, 0.3913



13.5982, 0.2405, 0.3416



13.5982, 0.2874, 0.2529

Complementary

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



13.5982, 0.4110, 0.3913



11.2565, 0.2364, 0.2554

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.



13.5982, 0.2453, 0.2462



13.5982, 0.4110, 0.3913



13.5982, 0.2201, 0.2921

Square

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



13.5982, 0.4110, 0.3913



13.5982, 0.2805, 0.3921



13.5982, 0.2219, 0.2589



13.5982, 0.3402, 0.2761

Rectangle

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



13.5982, 0.4110, 0.3913



13.5982, 0.3484, 0.4240



13.5982, 0.2219, 0.2589



13.5982, 0.2716, 0.2487

Sweetspot

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



13.5989, 0.4110, 0.3913



34.0120, 0.3373, 0.3476



9.3096, 0.3762, 0.2673



7.5703, 0.3405, 0.3498



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.



13.5989, 0.4110, 0.3913



21.6805, 0.4414, 0.4040



20.7524, 0.3826, 0.4446



4.6718, 0.3267, 0.3398



8.1901, 0.5362, 0.4125



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.2565, 0.2364, 0.2554



16.9537, 0.2192, 0.2339



6.4872, 0.2224, 0.1796



4.5392, 0.2993, 0.3180



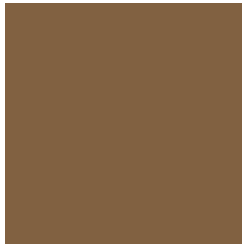
5.1831, 0.1786, 0.1629



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.5982, 0.4110, 0.3913 looks on a white background.

Color Contrast Check

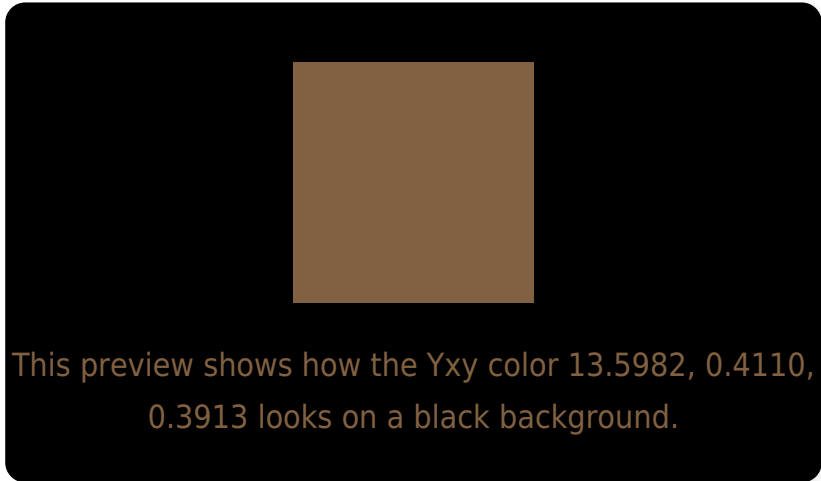
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5982, 0.4110, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 13.5982, 0.4110, 0.3913.



This preview shows how white text looks on a background with the Yxy color 13.5982, 0.4110, 0.3913.

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

13.5982, 0.4110, 0.3913

Protanopia

13.5505, 0.3761, 0.4062

Deuteranopia

13.6653, 0.4028, 0.3967



Tritanopia

13.6543, 0.3637, 0.3157

Trichromacy



Original Color

13.5982, 0.4110, 0.3913

Protanomaly

13.5523, 0.3885, 0.4017

Deuteranomaly

13.5526, 0.4053, 0.3944

Tritanomaly

13.5188, 0.3825, 0.3428

Monochromacy



Original Color

13.5982, 0.4110, 0.3913

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4734, 0.3460, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5982, 0.4110, 0.3913 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(129, 97, 65)` looks like.

```
.text, #text, p{  
    color:rgb(129, 97, 65)  
}
```

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(129, 97, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 97, 65) }
```

Border

The CSS property to change the border of an element to Yxy 13.5982, 0.4110, 0.3913 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(129, 97, 65) }
```

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

```
.border{ border-color:rgb(129, 97, 65) }
```

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

Here you see how a box with a 4 pixel rgb(129, 97, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 97, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 97, 65);  
box-shadow:4px 4px 4px 4px rgb(129, 97,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5982, 0.4110, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 97, 65) }
```

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

```
.background{ background-color: rgb(129, 97,  
65) }
```

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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