

Converting Colors

$Y_{xy}(13.7113, 0.4321, 0.4106)$

Have a look what the booklet for
Yxy(13.7113, 0.4321, 0.4106)
contains.

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Color

Yxy(13.7120, 0.4321, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	846135
RGB	132, 97, 53
RGB Percent	52%, 38%, 21%
CMY	0.4824, 0.6196, 0.7920
CMYK	0.00, 0.27, 0.60, 0.48
HSL	33°, 43%, 36%
HSV	33°, 60%, 52%
XYZ	14.4335, 13.7120, 5.2577
YIQ	102.4490, 34.9840, -6.2640

Conversions

Conversions Part 2

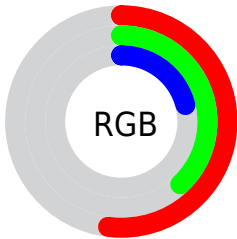
Format	Color
R_{YB}	116, 132, 53
Decimal	8675637
CIE Lab	43.82, 8.92, 30.30
CIE LCh	44, 31.590, 73.591
Yxy	13.7120, 0.4321, 0.4105
Android (android.graphics.Color)	4286865717 (0xFF846135)
YUV	102.4490, -24.3784, 25.9162
Hunter-Lab	37.0297, 4.7740, 17.5025

Details

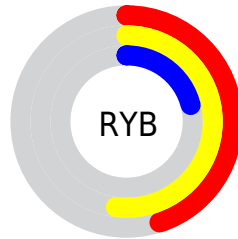
The Yxy color **13.7120, 0.4321, 0.4105** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.4075, 0.2189, 0.2256**, and the grayscale version is **13.4703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6842, 0.4029, 0.3939**, and **4.0453, 0.4813, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **12.5659, 0.4563, 0.4201**, and if you desaturate by 10%, it is **14.9727, 0.4082, 0.3984**.

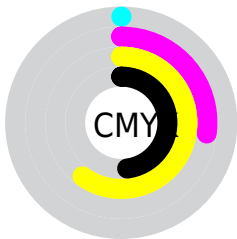
Distribution



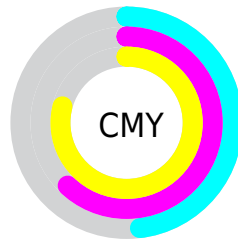
- Red (52%)
- Green (38%)
- Blue (21%)



- Red (45%)
- Yellow (52%)
- Blue (21%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (48%)





- Cyan (48%)
- Magenta (62%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7120, 0.4321, 0.4105 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 13.7120, 0.4321, 0.4105 by changing the saturation by 10% instead.


 13.7120, 0.4321,
0.4105


 13.7120, 0.4321,
0.4105


215.4317, 0.3616,
0.3651

 7.9206, 0.4533,
0.4221


 32.5771, 0.4037,
0.3933


 4.0442, 0.4827,
0.4362

 46.4197, 0.3938,
0.3870

 1.6983, 0.5376,
0.4624

 63.7148, 0.3858,
0.3817

 0.4226, 0.5945,
0.4055

 84.8468, 0.3793,
0.3773

 0.0000, 0.0000,
0.0000

 110.2001, 0.3738,
0.3735

 140.1591, 0.3691,

0.3703

175.1081, 0.3651,
0.3675

■ 13.7120, 0.4321,
0.4105

■ 13.7120, 0.4321,
0.4105

■ 12.5659, 0.4563,
0.4201

■ 14.9727, 0.4082,
0.3984

■ 11.5277, 0.4796,
0.4259

■ 16.3501, 0.3854,
0.3847

■ 10.5932, 0.5008,
0.4272

■ 17.8488, 0.3643,
0.3704

■ 9.7507, 0.5202,
0.4249

■ 19.4724, 0.3450,
0.3560

■ 9.7367, 0.5206,
0.4248

■ 21.2243, 0.3278,
0.3420

■ 23.1078, 0.3125,
0.3288

■ 25.1261, 0.2989,
0.3163

■ 27.2822, 0.2869,
0.3048

■ 29.5789, 0.2764,
0.2941

Harmonies

Analogous

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



13.7120, 0.4443, 0.3622



13.7120, 0.4321, 0.4105



13.7120, 0.3874, 0.4449

Triad

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



13.7120, 0.4321, 0.4105



13.7120, 0.2172, 0.3343



13.7120, 0.2887, 0.2382

Complementary

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



13.7120, 0.4321, 0.4105



9.4075, 0.2189, 0.2256

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.



13.7120, 0.2344, 0.2265



13.7120, 0.4321, 0.4105



13.7120, 0.1968, 0.2737

Square

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



13.7120, 0.4321, 0.4105



13.7120, 0.2631, 0.4027



13.7120, 0.2030, 0.2373



13.7120, 0.3563, 0.2686

Rectangle

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



13.7120, 0.4321, 0.4105



13.7120, 0.3469, 0.4505



13.7120, 0.2030, 0.2373



13.7120, 0.2685, 0.2320

Sweetspot

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



13.7127, 0.4321, 0.4105



34.7263, 0.3425, 0.3540



8.1685, 0.4055, 0.2634



7.9086, 0.3471, 0.3576



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



13.7127, 0.4321, 0.4105



21.4213, 0.4653, 0.4228



21.3527, 0.3895, 0.4671



5.0867, 0.3267, 0.3411



9.4385, 0.5204, 0.4250



0.0473, 0.4675, 0.4670

Inverse Universe

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



9.4075, 0.2189, 0.2256



13.1313, 0.1998, 0.1967



5.0842, 0.2057, 0.1468



4.8591, 0.2992, 0.3166



4.6024, 0.1735, 0.1444



0.0301, 0.1958, 0.2248

Previews

White Background



This preview shows how the Yxy color 13.7120, 0.4321, 0.4105 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 13.7120, 0.4321, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

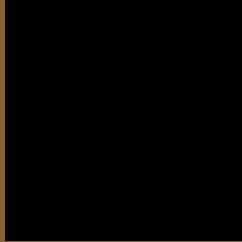
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7120, 0.4321, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 13.7120, 0.4321, 0.4105.



This preview shows how white text looks on a background with the Yxy color 13.7120, 0.4321, 0.4105.

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

13.7120, 0.4321, 0.4105

Protanopia

13.7539, 0.3939, 0.4306

Deuteranopia

13.7699, 0.4236, 0.4165



Tritanopia

13.7894, 0.3720, 0.3160

Trichromacy



Original Color

13.7120, 0.4321, 0.4105

Protanomaly

13.6387, 0.4092, 0.4226

Deuteranomaly

13.6595, 0.4263, 0.4141

Tritanomaly

13.7655, 0.3968, 0.3520

Monochromacy



Original Color

13.7120, 0.4321, 0.4105

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2651, 0.3553, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7120, 0.4321, 0.4105 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(132, 97, 53)` looks like.

```
.text, #text, p{  
  color:rgb(132, 97, 53)  
}
```

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(132, 97, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 97, 53) }
```

Border

The CSS property to change the border of an element to Yxy 13.7120, 0.4321, 0.4105 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(132, 97, 53) }
```

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

```
.border{ border-color:rgb(132, 97, 53) }
```

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

Here you see how a box with a 4 pixel rgb(132, 97, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 97, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 97, 53);  
box-shadow:4px 4px 4px 4px rgb(132, 97,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7120, 0.4321, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 97, 53) }
```

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

```
.background{ background-color: rgb(132, 97,  
53) }
```

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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