

Converting Colors

$Y_{xy}(13.3149, 0.4121, 0.4127)$

Have a look what the booklet for
Yxy(13.3149, 0.4121, 0.4127)
contains.

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Color

Yxy(13.2318, 0.4130, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	7B6238
RGB	123, 98, 56
RGB Percent	48%, 38%, 22%
CMY	0.5177, 0.6156, 0.7804
CMYK	0.00, 0.20, 0.54, 0.52
HSL	38°, 37%, 35%
HSV	38°, 54%, 48%
XYZ	13.2478, 13.2318, 5.5975
YIQ	100.6870, 28.3820, -7.7620

Conversions

Conversions Part 2

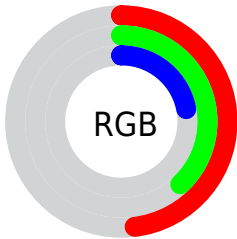
Format	Color
RYB	96, 123, 56
Decimal	8086072
CIELab	43.11, 4.46, 27.55
CIELCh	43, 27.907, 80.813
Yxy	13.2318, 0.4130, 0.4125
Android (android.graphics.Color)	4286276152 (0xFF7B6238)
YUV	100.6870, -22.0307, 19.5685
Hunter-Lab	36.3755, 1.3518, 16.3394

Details

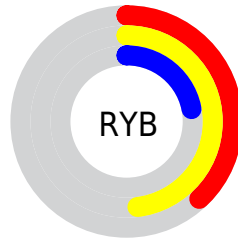
The Yxy color **13.2318, 0.4130, 0.4125** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1513, 0.2252, 0.2253**, and the grayscale version is **12.9813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8415, 0.3883, 0.3940**, and **3.8579, 0.4568, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **12.2928, 0.4345, 0.4250**, and if you desaturate by 10%, it is **14.2508, 0.3918, 0.3980**.

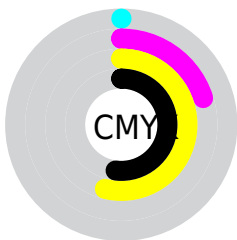
Distribution



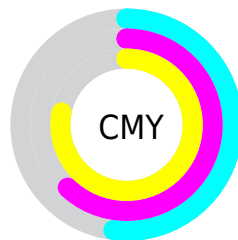
- Red (48%)
- Green (38%)
- Blue (22%)



- Red (38%)
- Yellow (48%)
- Blue (22%)



- Cyan (0%)
- Magenta (20%)
- Yellow (54%)
- Black (52%)





- Cyan (52%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2318, 0.4130, 0.4125 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 13.2318, 0.4130, 0.4125 by changing the saturation by 10% instead.


 13.2318, 0.4130,
0.4125


 13.2318, 0.4130,
0.4125


212.3979, 0.3535,
0.3643


 7.5884, 0.4313,
0.4262


 31.7196, 0.3888,
0.3935


 3.8327, 0.4564,
0.4440

 45.3327, 0.3805,
0.3867


 1.5804, 0.5135,
0.4865

 62.3712, 0.3738,
0.3812

 0.3443, 0.5588,
0.4412

 83.2195, 0.3683,
0.3767

 0.0000, 0.0000,
0.0000

 108.2619, 0.3637,
0.3728

 137.8829, 0.3597,

0.3695

172.4667, 0.3564,
0.3667

■ 13.2318, 0.4130,
0.4125

■ 13.2318, 0.4130,
0.4125

■ 12.2928, 0.4345,
0.4250

■ 14.2508, 0.3918,
0.3980

■ 11.4289, 0.4553,
0.4345

■ 15.3506, 0.3715,
0.3824

■ 10.6374, 0.4745,
0.4399

■ 16.5346, 0.3525,
0.3664

■ 9.9137, 0.4913,
0.4408

■ 17.8051, 0.3350,
0.3507

■ 9.5357, 0.5005,
0.4408

■ 19.1645, 0.3192,
0.3355

■ 20.6148, 0.3050,
0.3212

■ 22.1583, 0.2924,
0.3077

■ 23.7970, 0.2811,
0.2953

■ 25.5327, 0.2710,
0.2838

Harmonies

Analogous

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



13.2318, 0.4312, 0.3712



13.2318, 0.4130, 0.4125



13.2318, 0.3681, 0.4363

Triad

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



13.2318, 0.4130, 0.4125



13.2318, 0.2199, 0.3199



13.2318, 0.3056, 0.2518

Complementary

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



13.2318, 0.4130, 0.4125



8.1513, 0.2252, 0.2253

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.



13.2318, 0.2524, 0.2368



13.2318, 0.4130, 0.4125



13.2318, 0.2068, 0.2698

Square

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



13.2318, 0.4130, 0.4125



13.2318, 0.2567, 0.3807



13.2318, 0.2181, 0.2419



13.2318, 0.3662, 0.2832

Rectangle

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



13.2318, 0.4130, 0.4125



13.2318, 0.3303, 0.4342



13.2318, 0.2181, 0.2419



13.2318, 0.2863, 0.2448

Sweetspot

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



13.2324, 0.4130, 0.4125



31.4434, 0.3383, 0.3537



7.6425, 0.4027, 0.2775



7.3145, 0.3411, 0.3563



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.



13.2324, 0.4130, 0.4125



21.6789, 0.4390, 0.4273



18.1027, 0.3774, 0.4590



4.3946, 0.3263, 0.3424



9.8573, 0.5007, 0.4406



45.3473, 0.5061, 0.4364

Inverse Universe

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



8.1513, 0.2252, 0.2253



11.6210, 0.2062, 0.1972



5.3422, 0.2228, 0.1679



4.1157, 0.2994, 0.3152



3.4792, 0.1679, 0.1243



15.0830, 0.1653, 0.1152

Previews

White Background



This preview shows how the Yxy color 13.2318, 0.4130, 0.4125 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 13.2318, 0.4130, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

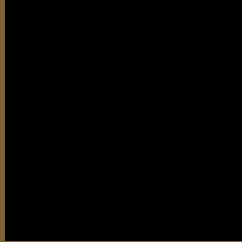
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2318, 0.4130, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 13.2318, 0.4130, 0.4125.



This preview shows how white text looks on a background with the Yxy color 13.2318, 0.4130, 0.4125.

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

13.2318, 0.4130, 0.4125

Protanopia

13.2429, 0.3901, 0.4244

Deuteranopia

13.1949, 0.4173, 0.4095



Tritanopia

13.2608, 0.3559, 0.3153

Trichromacy



Original Color

13.2318, 0.4130, 0.4125

Protanomaly

13.3158, 0.3975, 0.4202

Deuteranomaly

13.1200, 0.4157, 0.4101

Tritanomaly

13.2601, 0.3787, 0.3513

Monochromacy



Original Color

13.2318, 0.4130, 0.4125

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0214, 0.3476, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2318, 0.4130, 0.4125 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, 98, 56)` looks like.

```
.text, #text, p{  
    color:rgb(123, 98, 56)  
}
```

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, 98, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 98, 56) }
```

Border

The CSS property to change the border of an element to Yxy 13.2318, 0.4130, 0.4125 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, 98, 56) }
```

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

```
.border{ border-color:rgb(123, 98, 56) }
```

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

Here you see how a box with a 4 pixel rgb(123, 98, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 98, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 98, 56);  
box-shadow:4px 4px 4px 4px rgb(123, 98,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2318, 0.4130, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 98, 56) }
```

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

```
.background{ background-color: rgb(123, 98,  
56) }
```

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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