

Converting Colors

$Y_{xy}(10.8280, 0.4494, 0.3728)$

Have a look what the booklet for
Yxy(10.8280, 0.4494, 0.3728)
contains.

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Color

Yxy(10.7830, 0.4500, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	844F38
RGB	132, 79, 56
RGB Percent	52%, 31%, 22%
CMY	0.4823, 0.6902, 0.7803
CMYK	0.00, 0.40, 0.58, 0.48
HSL	18°, 40%, 37%
HSV	18°, 58%, 52%
XYZ	13.0264, 10.7830, 5.1382
YIQ	92.2250, 38.9710, 4.0830

Conversions

Conversions Part 2

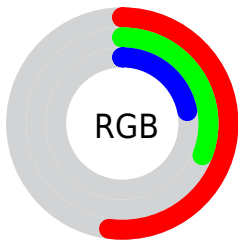
Format	Color
R _Y B	132, 89, 56
Decimal	8671032
CIE Lab	39.21, 19.80, 22.92
CIE LCh	39, 30.291, 49.171
Yxy	10.7830, 0.4500, 0.3725
Android (android.graphics.Color)	4286861112 (0xFF844F38)
YUV	92.2250, -17.8589, 34.8827
Hunter-Lab	32.8375, 13.3444, 13.7089

Details

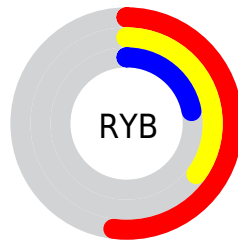
The Yxy color **10.7830, 0.4500, 0.3725** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.4494, 0.2321, 0.2770**, and the grayscale version is **10.7929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3712, 0.4145, 0.3655**, and **2.7790, 0.5237, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **9.4333, 0.4849, 0.3772**, and if you desaturate by 10%, it is **12.3519, 0.4177, 0.3658**.

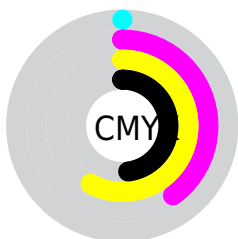
Distribution



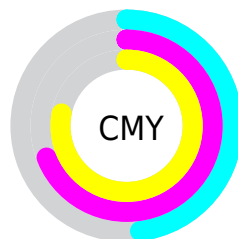
- Red (52%)
- Green (31%)
- Blue (22%)



- Red (52%)
- Yellow (35%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (58%)
- Black (48%)





- Cyan (48%)
- Magenta (69%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7830, 0.4500, 0.3725 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 10.7830, 0.4500, 0.3725 by changing the saturation by 10% instead.

 10.7830, 0.4500,
0.3725


 10.7830, 0.4500,
0.3725


196.1727, 0.3649,
0.3497


 5.9211, 0.4788,
0.3768

 27.2582, 0.4140,
0.3646


 2.7972, 0.5225,
0.3805

 39.6403, 0.4021,
0.3614

 1.0268, 0.6110,
0.3890

 55.2979, 0.3926,
0.3586

 0.0000, 1.0000,
0.0000

 74.6154, 0.3850,
0.3563

 0.0000, 0.0000,
0.0000

 97.9773, 0.3787,
0.3543

 125.7679, 0.3733,

0.3525

158.3715, 0.3688,
0.3510

■ 10.7830, 0.4500,
0.3725

■ 10.7830, 0.4500,
0.3725

■ 9.4333, 0.4849,
0.3772

■ 12.3519, 0.4177,
0.3658

■ 8.2909, 0.5205,
0.3788

■ 14.1479, 0.3890,
0.3581

■ 7.3452, 0.5542,
0.3764

■ 16.1806, 0.3641,
0.3501

■ 6.5808, 0.5836,
0.3704

■ 18.4582, 0.3427,
0.3421

■ 6.4185, 0.5908,
0.3691

■ 20.9889, 0.3246,
0.3345

■ 23.7802, 0.3092,
0.3273

■ 26.8394, 0.2962,
0.3207

■ 30.1737, 0.2851,
0.3146

■ 33.7896, 0.2756,
0.3091

Harmonies

Analogous

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



10.7830, 0.4285, 0.3207



10.7830, 0.4500, 0.3725



10.7830, 0.4298, 0.4212

Triad

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



10.7830, 0.4500, 0.3725



10.7830, 0.2505, 0.3934



10.7830, 0.2404, 0.2237

Complementary

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



10.7830, 0.4500, 0.3725



13.4494, 0.2321, 0.2770

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.



10.7830, 0.2034, 0.2301



10.7830, 0.4500, 0.3725



10.7830, 0.2078, 0.3211

Square

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



10.7830, 0.4500, 0.3725



10.7830, 0.3128, 0.4460



10.7830, 0.1921, 0.2623



10.7830, 0.3002, 0.2397

Rectangle

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



10.7830, 0.4500, 0.3725



10.7830, 0.3981, 0.4454



10.7830, 0.1921, 0.2623



10.7830, 0.2253, 0.2232

Sweetspot

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



10.7835, 0.4500, 0.3725



32.5897, 0.3424, 0.3419



8.8446, 0.3600, 0.2324



7.4246, 0.3457, 0.3433



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.



10.7835, 0.4500, 0.3725



15.9792, 0.4955, 0.3780



17.8694, 0.4065, 0.4384



4.9015, 0.3272, 0.3356



6.2228, 0.5905, 0.3693



0.0332, 0.5181, 0.4269

Inverse Universe

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



13.4494, 0.2321, 0.2770



21.0729, 0.2182, 0.2629



7.0412, 0.2129, 0.1859



5.0474, 0.2992, 0.3223



9.0468, 0.1973, 0.2304



0.0442, 0.2113, 0.2807

Previews

White Background



This preview shows how the Yxy color 10.7830, 0.4500, 0.3725 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 10.7830, 0.4500, 0.3725 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 10.7830, 0.4500, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 10.7830, 0.4500, 0.3725.



This preview shows how white text looks on a background with the Yxy color 10.7830, 0.4500, 0.3725.

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

10.7830, 0.4500, 0.3725

Protanopia

10.9323, 0.3743, 0.4042

Deuteranopia

10.9218, 0.4094, 0.4047



Tritanopia

10.8313, 0.4104, 0.3197

Trichromacy



Original Color

10.7830, 0.4500, 0.3725

Protanomaly

10.7400, 0.4010, 0.3929

Deuteranomaly

10.7659, 0.4245, 0.3911

Tritanomaly

10.7622, 0.4250, 0.3389

Monochromacy



Original Color

10.7830, 0.4500, 0.3725

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5067, 0.3599, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7830, 0.4500, 0.3725 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, 79, 56)` looks like.

```
.text, #text, p{  
    color:rgb(132, 79, 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(132, 79, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 79, 56) }
```

Border

The CSS property to change the border of an element to Yxy 10.7830, 0.4500, 0.3725 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, 79, 56) }
```

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

```
.border{ border-color:rgb(132, 79, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 79, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 79, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 79, 56);  
box-shadow:4px 4px 4px 4px rgb(132, 79,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7830, 0.4500, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 79, 56) }
```

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

```
.background{ background-color: rgb(132, 79,  
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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