

Converting Colors

$Y_{xy}(10.1298, 0.4280, 0.3988)$

Have a look what the booklet for
Yxy(10.1298, 0.4280, 0.3988)
contains.

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Color

$\text{Yxy}(10.1298, 0.4280, 0.3988)$

Conversions

Conversions Part 1

Format	Color
Hex	745332
RGB	116, 83, 50
RGB Percent	45%, 33%, 20%
CMY	0.5451, 0.6745, 0.8039
CMYK	0.00, 0.28, 0.57, 0.55
HSL	30°, 40%, 33%
HSV	30°, 57%, 45%
XYZ	10.8715, 10.1298, 4.3994
YIQ	89.1050, 30.2610, -3.2670

Conversions

Conversions Part 2

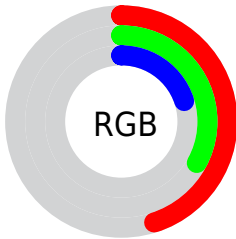
Format	Color
R_{YB}	116, 116, 50
Decimal	7623474
CIE _{Lab}	38.07, 9.63, 24.60
CIE _{LCh}	38, 26.420, 68.623
Yxy	10.1298, 0.4280, 0.3988
Android (android.graphics.Color)	4285813554 (0xFF745332)
YUV	89.1050, -19.2788, 23.5869
Hunter-Lab	31.8273, 5.2737, 14.0837

Details

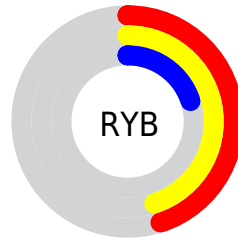
The Yxy color **10.1298, 0.4280, 0.3988** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.1248, 0.2265, 0.2434**, and the grayscale version is **10.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9116, 0.3981, 0.3823**, and **2.5188, 0.4938, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **9.1919, 0.4541, 0.4081**, and if you desaturate by 10%, it is **11.1684, 0.4030, 0.3874**.

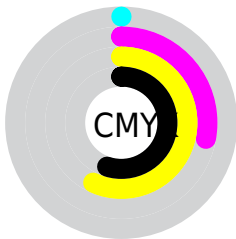
Distribution



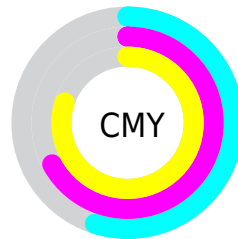
- Red (45%)
- Green (33%)
- Blue (20%)



- Red (45%)
- Yellow (45%)
- Blue (20%)



- Cyan (0%)
- Magenta (28%)
- Yellow (57%)
- Black (55%)



- Cyan (55%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1298, 0.4280, 0.3988 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 10.1298, 0.4280, 0.3988 by changing the saturation by 10% instead.


 10.1298, 0.4280,
0.3988


 10.1298, 0.4280,
0.3988


191.5960, 0.3566,
0.3582

 5.4851, 0.4520,
0.4100

 26.0394, 0.3978,
0.3828


 2.5346, 0.4934,
0.4290

 38.0730, 0.3878,
0.3771


 0.8939, 0.5537,
0.4463

 53.3384, 0.3799,
0.3725

 0.0000, 1.0000,
0.0000

 72.2200, 0.3734,
0.3687

 0.0000, 0.0000,
0.0000

 95.1022, 0.3681,
0.3654

 122.3693, 0.3636,

0.3627

154.4058, 0.3598,
0.3603

■ 10.1298, 0.4280,
0.3988

■ 10.1298, 0.4280,
0.3988

■ 9.1919, 0.4541,
0.4081

■ 11.1684, 0.4030,
0.3874

■ 8.3493, 0.4802,
0.4143

■ 12.3096, 0.3797,
0.3749

■ 7.5985, 0.5048,
0.4163

■ 13.5572, 0.3586,
0.3620

■ 6.9323, 0.5275,
0.4142

■ 14.9144, 0.3398,
0.3493

■ 6.7399, 0.5348,
0.4136

■ 16.3840, 0.3231,
0.3371

■ 17.9690, 0.3084,
0.3255

■ 19.6720, 0.2955,
0.3147

■ 21.4957, 0.2842,
0.3047

■ 23.4425, 0.2743,
0.2955

Harmonies

Analogous

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



10.1298, 0.4327, 0.3530



10.1298, 0.4280, 0.3988



10.1298, 0.3910, 0.4331

Triad

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



10.1298, 0.4280, 0.3988



10.1298, 0.2295, 0.3449



10.1298, 0.2811, 0.2409

Complementary

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



10.1298, 0.4280, 0.3988



8.1248, 0.2265, 0.2434

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.



10.1298, 0.2334, 0.2334



10.1298, 0.4280, 0.3988



10.1298, 0.2059, 0.2862

Square

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



10.1298, 0.4280, 0.3988



10.1298, 0.2759, 0.4056



10.1298, 0.2075, 0.2478



10.1298, 0.3428, 0.2669

Rectangle

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



10.1298, 0.4280, 0.3988



10.1298, 0.3548, 0.4414



10.1298, 0.2075, 0.2478



10.1298, 0.2631, 0.2362

Sweetspot

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



10.1303, 0.4280, 0.3988



26.0847, 0.3407, 0.3500



6.6185, 0.3890, 0.2599



6.1341, 0.3434, 0.3519



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.1303, 0.4280, 0.3988



15.7226, 0.4615, 0.4102



16.4344, 0.3905, 0.4577



3.9753, 0.3265, 0.3396



7.5265, 0.5356, 0.4129



34.9638, 0.5434, 0.4067

Inverse Universe

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



8.1248, 0.2265, 0.2434



11.8274, 0.2092, 0.2198



4.2199, 0.2087, 0.1570



3.8642, 0.2995, 0.3181



4.7732, 0.1788, 0.1636



21.5468, 0.1763, 0.1546

Previews

White Background



This preview shows how the Yxy color 10.1298, 0.4280, 0.3988 looks on a white background.

Color Contrast Check

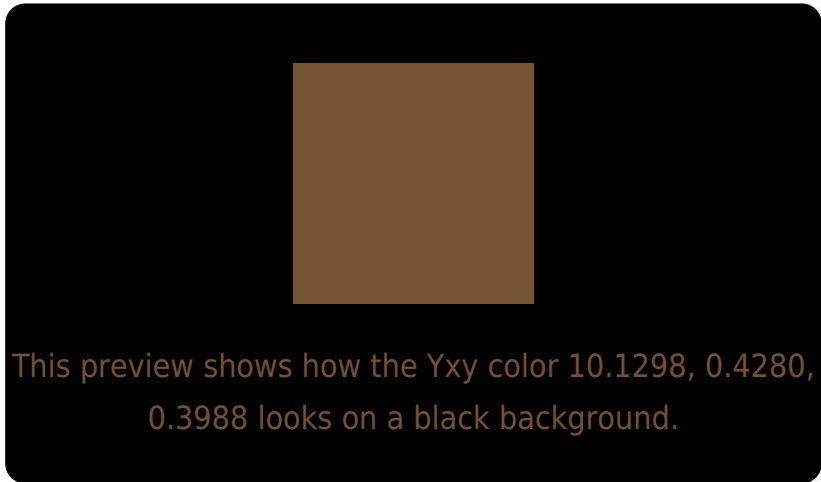
Large Text (above 18pt) WCAG AA ✓ Pass

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

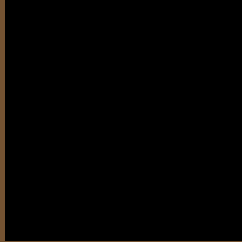
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1298, 0.4280, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 10.1298, 0.4280, 0.3988.



This preview shows how white text looks on a background with the Yxy color 10.1298, 0.4280, 0.3988.

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

10.1298, 0.4280, 0.3988

Protanopia

10.2129, 0.3868, 0.4193

Deuteranopia

10.1923, 0.4153, 0.4104



Tritanopia

10.1698, 0.3748, 0.3165

Trichromacy



Original Color

10.1298, 0.4280, 0.3988

Protanomaly

10.0587, 0.4022, 0.4115

Deuteranomaly

10.1635, 0.4200, 0.4071

Tritanomaly

10.0568, 0.3964, 0.3464

Monochromacy



Original Color

10.1298, 0.4280, 0.3988

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9770, 0.3525, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1298, 0.4280, 0.3988 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(116, 83, 50)` looks like.

```
.text, #text, p{  
    color:rgb(116, 83, 50)  
}
```

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(116, 83, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 83, 50) }
```

Border

The CSS property to change the border of an element to Yxy 10.1298, 0.4280, 0.3988 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(116, 83, 50) }
```

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

```
.border{ border-color:rgb(116, 83, 50) }
```

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

Here you see how a box with a 4 pixel rgb(116, 83, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 83, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 83, 50);  
box-shadow:4px 4px 4px 4px rgb(116, 83,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1298, 0.4280, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 83, 50) }
```

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

```
.background{ background-color: rgb(116, 83,  
50) }
```

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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