

Converting Colors

$Y_{xy}(10.2052, 0.4278, 0.4083)$

Have a look what the booklet for
Yxy(10.2052, 0.4278, 0.4083)
contains.

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Color

Yxy(10.1233, 0.4278, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	72542F
RGB	114, 84, 47
RGB Percent	45%, 33%, 18%
CMY	0.5530, 0.6706, 0.8156
CMYK	0.00, 0.26, 0.59, 0.55
HSL	33°, 42%, 32%
HSV	33°, 59%, 45%
XYZ	10.6224, 10.1233, 4.0846
YIQ	88.7520, 29.7570, -5.1470

Conversions

Conversions Part 2

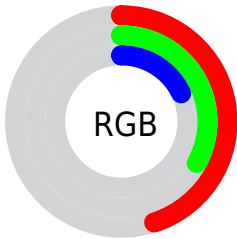
Format	Color
R_{YB}	101, 114, 47
Decimal	7492655
CIE Lab	38.06, 7.81, 26.26
CIE LCh	38, 27.398, 73.433
Yxy	10.1233, 0.4278, 0.4077
Android (android.graphics.Color)	4285682735 (0xFF72542F)
YUV	88.7520, -20.5837, 22.1425
Hunter-Lab	31.8171, 3.9136, 14.6605

Details

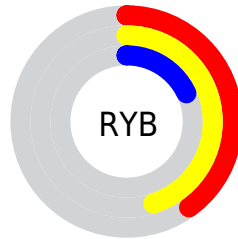
The Yxy color **10.1233, 0.4278, 0.4077** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.1270, 0.2220, 0.2305**, and the grayscale version is **9.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9080, 0.3984, 0.3887**, and **2.5410, 0.4963, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **9.2798, 0.4518, 0.4176**, and if you desaturate by 10%, it is **11.0496, 0.4042, 0.3955**.

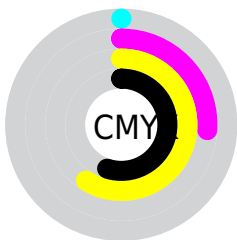
Distribution



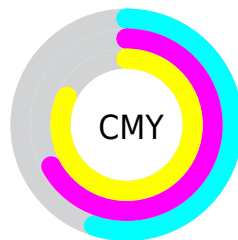
- Red (45%)
- Green (33%)
- Blue (18%)



- Red (40%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (26%)
- Yellow (59%)
- Black (55%)





- Cyan (55%)
- Magenta (67%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1233, 0.4278, 0.4077 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 10.1233, 0.4278, 0.4077 by changing the saturation by 10% instead.


 10.1233, 0.4278,
0.4077


 10.1233, 0.4278,
0.4077


191.5498, 0.3568,
0.3616


 5.4808, 0.4511,
0.4206

 26.0272, 0.3980,
0.3895


 2.5320, 0.4946,
0.4454


 38.0573, 0.3881,
0.3830

 0.8926, 0.5417,
0.4583

 53.3188, 0.3802,
0.3777

 0.0000, 0.0000,
0.0000

 72.1959, 0.3737,
0.3734

 95.0733, 0.3684,
0.3697

 122.3351, 0.3639,

0.3666

154.3658, 0.3601,
0.3639

■ 10.1233, 0.4278,
0.4077

■ 10.1233, 0.4278,
0.4077

■ 9.2798, 0.4518,
0.4176

■ 11.0496, 0.4042,
0.3955

■ 8.5145, 0.4753,
0.4242

■ 12.0600, 0.3819,
0.3819

■ 7.8244, 0.4970,
0.4264

■ 13.1579, 0.3613,
0.3679

■ 7.2010, 0.5173,
0.4254

■ 14.3456, 0.3426,
0.3539

■ 7.1274, 0.5200,
0.4253

■ 15.6258, 0.3259,
0.3403

■ 17.0006, 0.3110,
0.3274

■ 18.4723, 0.2978,
0.3154

■ 20.0430, 0.2861,
0.3042

■ 21.7148, 0.2758,
0.2938

Harmonies

Analogous

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



10.1233, 0.4390, 0.3612



10.1233, 0.4278, 0.4077



10.1233, 0.3851, 0.4403

Triad

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



10.1233, 0.4278, 0.4077



10.1233, 0.2210, 0.3347



10.1233, 0.2895, 0.2412

Complementary

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



10.1233, 0.4278, 0.4077



7.1270, 0.2220, 0.2305

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.



10.1233, 0.2371, 0.2301



10.1233, 0.4278, 0.4077



10.1233, 0.2010, 0.2764

Square

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



10.1233, 0.4278, 0.4077



10.1233, 0.2655, 0.3998



10.1233, 0.2067, 0.2409



10.1233, 0.3543, 0.2706

Rectangle

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



10.1233, 0.4278, 0.4077



10.1233, 0.3462, 0.4453



10.1233, 0.2067, 0.2409



10.1233, 0.2700, 0.2353

Sweetspot

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



10.1238, 0.4278, 0.4077



25.2769, 0.3421, 0.3535



6.1489, 0.4010, 0.2651



5.7309, 0.3462, 0.3567



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.1238, 0.4278, 0.4077



15.7457, 0.4615, 0.4208



15.5949, 0.3876, 0.4635



3.6784, 0.3262, 0.3406



7.9014, 0.5207, 0.4248



37.6188, 0.5278, 0.4191

Inverse Universe

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



7.1270, 0.2220, 0.2305



9.9423, 0.2024, 0.2017



3.9360, 0.2095, 0.1531



3.5235, 0.2996, 0.3171



3.9589, 0.1743, 0.1473



18.0490, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 10.1233, 0.4278, 0.4077 looks on a white background.

Color Contrast Check

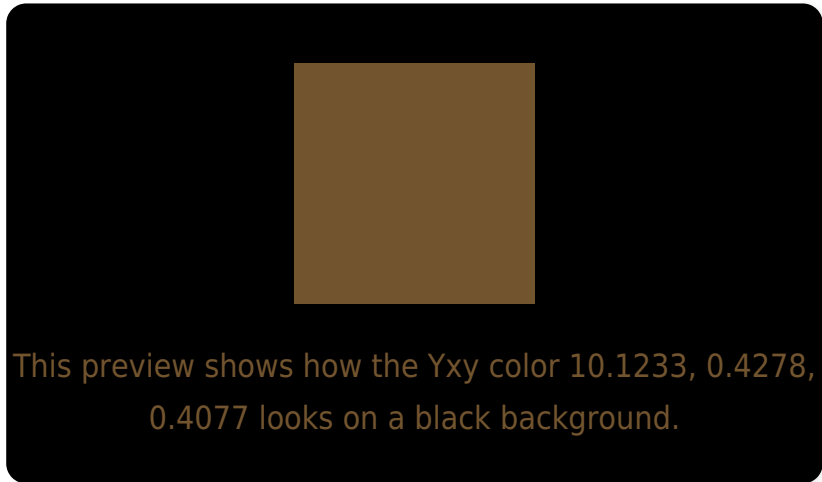
Large Text (above 18pt) WCAG AA ✓ Pass

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

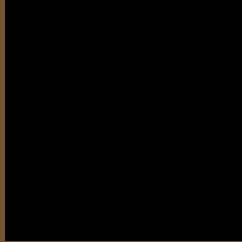
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1233, 0.4278, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 10.1233, 0.4278, 0.4077.



This preview shows how white text looks on a background with the Yxy color 10.1233, 0.4278, 0.4077.

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

10.1233, 0.4278, 0.4077

Protanopia

10.1867, 0.3911, 0.4258

Deuteranopia

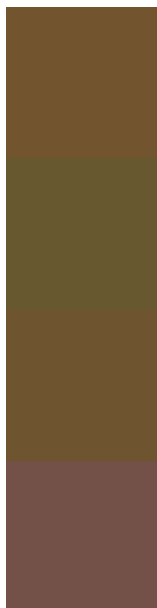
10.1758, 0.4182, 0.4143



Tritanopia

10.1911, 0.3688, 0.3163

Trichromacy



Original Color

10.1233, 0.4278, 0.4077

Protanomaly

10.1359, 0.4037, 0.4204

Deuteranomaly

10.0817, 0.4213, 0.4117

Tritanomaly

10.0657, 0.3921, 0.3488

Monochromacy



Original Color

10.1233, 0.4278, 0.4077

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9075, 0.3524, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1233, 0.4278, 0.4077 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(114, 84, 47)` looks like.

```
.text, #text, p{  
    color:rgb(114, 84, 47)  
}
```

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(114, 84, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 84, 47) }
```

Border

The CSS property to change the border of an element to Yxy 10.1233, 0.4278, 0.4077 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(114, 84, 47) }
```

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

```
.border{ border-color:rgb(114, 84, 47) }
```

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

Here you see how a box with a 4 pixel rgb(114, 84, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 84, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 84, 47);  
box-shadow:4px 4px 4px 4px rgb(114, 84,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1233, 0.4278, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 84, 47) }
```

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

```
.background{ background-color: rgb(114, 84,  
47) }
```

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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