

Converting Colors

$Y_{xy}(12.2923, 0.4351, 0.4060)$

Have a look what the booklet for
Yxy(12.2923, 0.4351, 0.4060)
contains.

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Color

Yxy(12.2332, 0.4345, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	7F5B33
RGB	127, 91, 51
RGB Percent	50%, 36%, 20%
CMY	0.5019, 0.6431, 0.7999
CMYK	0.00, 0.28, 0.60, 0.50
HSL	32°, 43%, 35%
HSV	32°, 60%, 50%
XYZ	13.0919, 12.2332, 4.8059
YIQ	97.2040, 34.2960, -4.8080

Conversions

Conversions Part 2

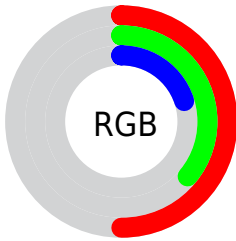
Format	Color
RYB	119, 127, 51
Decimal	8346419
CIELab	41.58, 10.01, 28.60
CIElCh	42, 30.304, 70.707
Yxy	12.2332, 0.4345, 0.4060
Android (android.graphics.Color)	4286536499 (0xFF7F5B33)
YUV	97.2040, -22.7786, 26.1311
Hunter-Lab	34.9760, 5.6067, 16.3364

Details

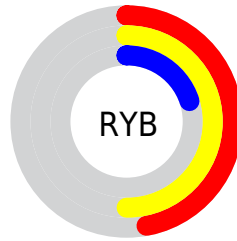
The Yxy color **12.2332, 0.4345, 0.4060** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0579, 0.2205, 0.2320**, and the grayscale version is **12.0585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8957, 0.4040, 0.3888**, and **3.3836, 0.4931, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **11.1486, 0.4599, 0.4150**, and if you desaturate by 10%, it is **13.4322, 0.4096, 0.3945**.

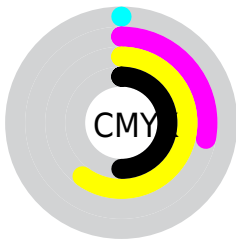
Distribution



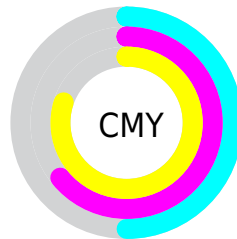
- Red (50%)
- Green (36%)
- Blue (20%)



- Red (47%)
- Yellow (50%)
- Blue (20%)



- Cyan (0%)
- Magenta (28%)
- Yellow (60%)
- Black (50%)





- Cyan (50%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2332, 0.4345, 0.4060 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 12.2332, 0.4345, 0.4060 by changing the saturation by 10% instead.


 12.2332, 0.4345,
0.4060


 12.2332, 0.4345,
0.4060


205.9431, 0.3612,
0.3627


 6.9027, 0.4574,
0.4171


 29.9191, 0.4044,
0.3895


 3.4013, 0.4915,
0.4320

 43.0433, 0.3942,
0.3834


 1.3447, 0.5478,
0.4522

 59.5343, 0.3860,
0.3784

 0.1754, 0.7010,
0.2990

 79.7763, 0.3792,
0.3742

 0.0000, 0.0000,
0.0000

 104.1538, 0.3736,
0.3707

 133.0511, 0.3688,

0.3676

166.8528, 0.3648,
0.3650

■ 12.2332, 0.4345,
0.4060

■ 12.2332, 0.4345,
0.4060

■ 11.1486, 0.4599,
0.4150

■ 13.4322, 0.4096,
0.3945

■ 10.1720, 0.4846,
0.4203

■ 14.7479, 0.3862,
0.3816

■ 9.2991, 0.5073,
0.4210

■ 16.1848, 0.3646,
0.3680

■ 8.5185, 0.5284,
0.4184

■ 17.7464, 0.3452,
0.3544

■ 8.5055, 0.5287,
0.4184

■ 19.4363, 0.3278,
0.3413

■ 21.2577, 0.3125,
0.3288

■ 23.2139, 0.2990,
0.3171

■ 25.3077, 0.2871,
0.3062

■ 27.5421, 0.2767,
0.2962

Harmonies

Analogous

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



12.2332, 0.4429, 0.3573



12.2332, 0.4345, 0.4060



12.2332, 0.3924, 0.4423

Triad

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



12.2332, 0.4345, 0.4060



12.2332, 0.2209, 0.3410



12.2332, 0.2828, 0.2365

Complementary

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



12.2332, 0.4345, 0.4060



9.0579, 0.2205, 0.2320

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.



12.2332, 0.2306, 0.2268



12.2332, 0.4345, 0.4060



12.2332, 0.1980, 0.2788

Square

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



12.2332, 0.4345, 0.4060



12.2332, 0.2687, 0.4082



12.2332, 0.2016, 0.2400



12.2332, 0.3496, 0.2652

Rectangle

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



12.2332, 0.4345, 0.4060



12.2332, 0.3529, 0.4504



12.2332, 0.2016, 0.2400



12.2332, 0.2632, 0.2309

Sweetspot

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



12.2338, 0.4345, 0.4060



32.1860, 0.3426, 0.3526



7.5826, 0.3990, 0.2588



7.3643, 0.3472, 0.3559



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.2338, 0.4345, 0.4060



19.2603, 0.4697, 0.4175



19.8348, 0.3926, 0.4649



4.6894, 0.3266, 0.3404



8.5746, 0.5288, 0.4183



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0579, 0.2205, 0.2320



13.0271, 0.2018, 0.2046



4.6400, 0.2032, 0.1463



4.5216, 0.2993, 0.3174



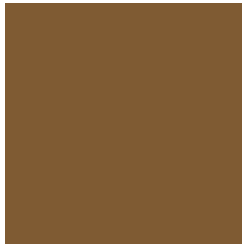
4.8210, 0.1763, 0.1545



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.2332, 0.4345, 0.4060 looks on a white background.

Color Contrast Check

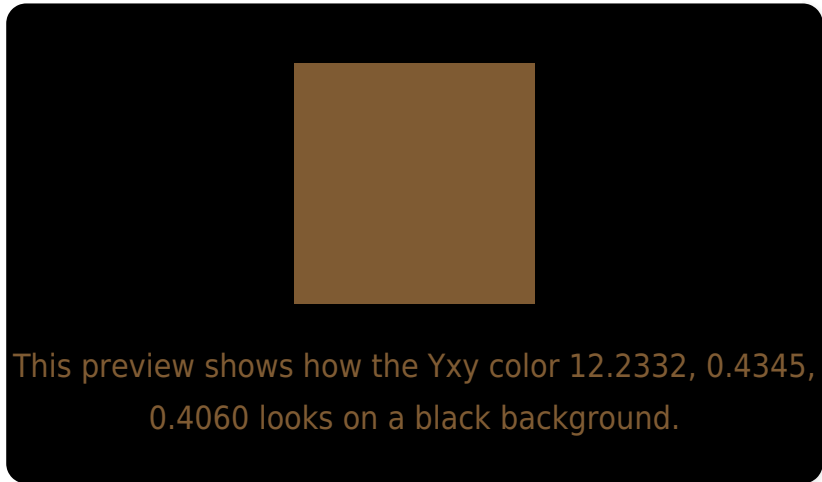
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2332, 0.4345, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 12.2332, 0.4345, 0.4060.



This preview shows how white text looks on a background with the Yxy color 12.2332, 0.4345, 0.4060.

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

12.2332, 0.4345, 0.4060

Protanopia

12.1899, 0.3914, 0.4253

Deuteranopia

12.3006, 0.4225, 0.4170



Tritanopia

12.1917, 0.3754, 0.3155

Trichromacy



Original Color

12.2332, 0.4345, 0.4060

Protanomaly

12.0863, 0.4075, 0.4172

Deuteranomaly

12.2699, 0.4270, 0.4139

Tritanomaly

12.1966, 0.3983, 0.3490

Monochromacy



Original Color

12.2332, 0.4345, 0.4060

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9518, 0.3558, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2332, 0.4345, 0.4060 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(127, 91, 51)` looks like.

```
.text, #text, p{  
    color:rgb(127, 91, 51)  
}
```

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(127, 91, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 91, 51) }
```

Border

The CSS property to change the border of an element to Yxy 12.2332, 0.4345, 0.4060 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(127, 91, 51) }
```

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

```
.border{ border-color:rgb(127, 91, 51) }
```

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

Here you see how a box with a 4 pixel rgb(127, 91, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 91, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 91, 51);  
box-shadow:4px 4px 4px 4px rgb(127, 91,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2332, 0.4345, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 91, 51) }
```

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

```
.background{ background-color: rgb(127, 91,  
51) }
```

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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