

Converting Colors

$Y_{xy}(12.8738, 0.5600, 0.3803)$

Have a look what the booklet for
Yxy(12.8738, 0.5600, 0.3803)
contains.

Yxy(12.8326, 0.5610, 0.3796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.8326, 0.5610, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	AB4411
RGB	171, 68, 17
RGB Percent	67%, 27%, 7%
CMY	0.3294, 0.7334, 0.9333
CMYK	0.00, 0.60, 0.90, 0.33
HSL	20°, 82%, 37%
HSV	20°, 90%, 67%
XYZ	18.9649, 12.8326, 2.0081
YIQ	92.9830, 77.7590, 5.9750

Conversions

Conversions Part 2

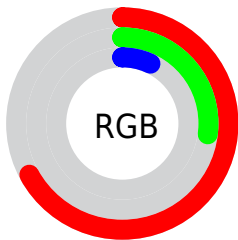
Format	Color
R_{YB}	171, 93, 17
Decimal	11224081
CIE Lab	42.51, 39.98, 48.04
CIE LCh	43, 62.496, 50.234
Yxy	12.8326, 0.5610, 0.3796
Android (android.graphics.Color)	4289414161 (0xFFAB4411)
YUV	92.9830, -37.4596, 68.4209
Hunter-Lab	35.8226, 31.8105, 21.7523

Details

The Yxy color **12.8326, 0.5610, 0.3796** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.4997, 0.1993, 0.2299**, and the grayscale version is **11.0178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1618, 0.5063, 0.3817**, and **3.6936, 0.6235, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **11.5476, 0.5874, 0.3718**, and if you desaturate by 10%, it is **14.4302, 0.5296, 0.3838**.

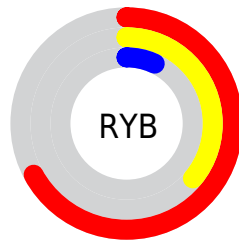
Distribution



Red (67%)

Green (27%)

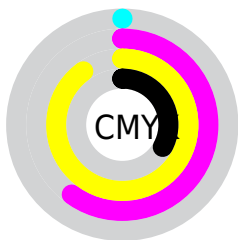
Blue (7%)



Red (67%)

Yellow (36%)

Blue (7%)

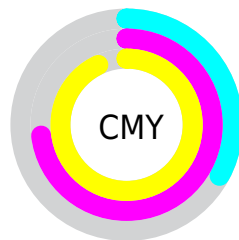


Cyan (0%)

Magenta (60%)

Yellow (90%)

Black (33%)



Cyan (33%)

Magenta (73%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8326, 0.5610, 0.3796 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 12.8326, 0.5610, 0.3796 by changing the saturation by 10% instead.


 12.8326, 0.5610,
0.3796


 12.8326, 0.5610,
0.3796


209.8420, 0.4185,
0.3672


 7.3134, 0.5987,
0.3727


 31.0027, 0.5069,
0.3815


 3.6588, 0.6449,
0.3551

 44.4224, 0.4870,
0.3799

 1.4846, 0.6887,
0.3113

 61.2443, 0.4704,
0.3778

 0.2779, 0.8246,
0.1754

 81.8530, 0.4565,
0.3756

 0.0000, 1.0000,
0.0000


 106.6327, 0.4448,
0.3733


 0.0000, 0.0000,
0.0000

 135.9678, 0.4348,


0.3711

 170.2428, 0.4261,
0.3691

 12.8326, 0.5610,
0.3796

 12.8326, 0.5610,
0.3796


 11.5476, 0.5874,
0.3718

 14.4302, 0.5296,
0.3838

 16.3608, 0.4949,
0.3832

 18.6449, 0.4600,
0.3789

 21.3008, 0.4270,
0.3721

 24.3449, 0.3971,
0.3638

■ 27.7930, 0.3710,
0.3548

■ 31.6598, 0.3484,
0.3458

■ 35.9590, 0.3291,
0.3372

■ 40.7040, 0.3128,
0.3290

Harmonies

Analogous

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



12.8326, 0.5380, 0.3023



12.8326, 0.5610, 0.3796



12.8326, 0.5027, 0.4675

Triad

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



12.8326, 0.5610, 0.3796



12.8326, 0.1873, 0.4565



12.8326, 0.1865, 0.1533

Complementary

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



12.8326, 0.5610, 0.3796



16.4997, 0.1993, 0.2299

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.



12.8326, 0.1309, 0.1566



12.8326, 0.5610, 0.3796



12.8326, 0.1272, 0.2959

Square

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



12.8326, 0.5610, 0.3796



12.8326, 0.2891, 0.5735



12.8326, 0.1117, 0.1973



12.8326, 0.2880, 0.1796

Rectangle

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



12.8326, 0.5610, 0.3796



12.8326, 0.4383, 0.5278



12.8326, 0.1117, 0.1973



12.8326, 0.1633, 0.1510

Sweetspot

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



12.8333, 0.5610, 0.3796



51.4790, 0.3648, 0.3525



10.4717, 0.4070, 0.2077



10.9932, 0.3727, 0.3555



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.8333, 0.5610, 0.3796



20.3298, 0.5904, 0.3694



28.2782, 0.4482, 0.4749



8.4324, 0.3278, 0.3366



8.7916, 0.5856, 0.3732



0.3465, 0.5268, 0.4199

Inverse Universe

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



16.4997, 0.1993, 0.2299



26.5727, 0.1932, 0.2156



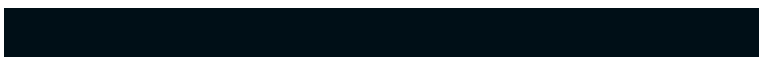
4.9555, 0.1624, 0.0943



8.6184, 0.2986, 0.3213



11.4545, 0.1941, 0.2189



0.4133, 0.2045, 0.2561

Previews

White Background



This preview shows how the Yxy color 12.8326, 0.5610, 0.3796 looks on a white background.

Color Contrast Check

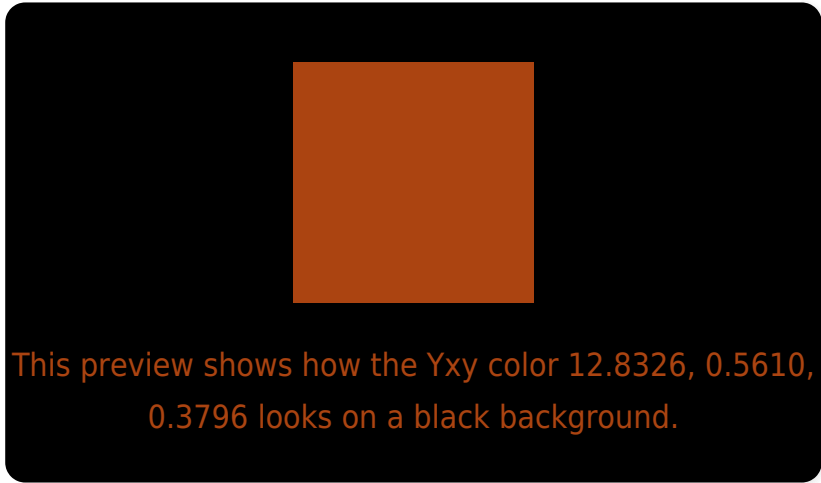
Large Text (above 18pt) WCAG AA ✓ Pass

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

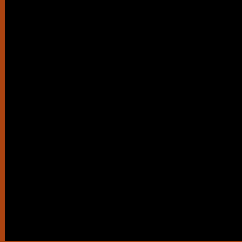
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8326, 0.5610, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 12.8326, 0.5610, 0.3796.



This preview shows how white text looks on a background with the Yxy color 12.8326, 0.5610, 0.3796.

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

12.8326, 0.5610, 0.3796

Protanopia

12.9593, 0.4268, 0.4696

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.7309, 0.5044, 0.3243

Trichromacy



Original Color

12.8326, 0.5610, 0.3796

Protanomaly

12.3575, 0.4805, 0.4329

Deuteranomaly

12.5980, 0.5076, 0.4302

Tritanomaly

12.7730, 0.5320, 0.3492

Monochromacy



Original Color

12.8326, 0.5610, 0.3796

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7872, 0.4106, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8326, 0.5610, 0.3796 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(171, 68, 17)` looks like.

```
.text, #text, p{  
    color:rgb(171, 68, 17)  
}
```

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(171, 68, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 68, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.8326, 0.5610, 0.3796 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(171, 68, 17) }
```

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

```
.border{ border-color:rgb(171, 68, 17) }
```

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

Here you see how a box with a 4 pixel rgb(171, 68, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 68, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 68, 17);  
box-shadow:4px 4px 4px 4px rgb(171, 68,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8326, 0.5610, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 68, 17) }
```

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

```
.background{ background-color: rgb(171, 68,  
17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor