

Converting Colors

$Y_{xy}(12.2010, 0.5257, 0.4593)$

Have a look what the booklet for
Yxy(12.2010, 0.5257, 0.4593)
contains.

Yxy(12.2310, 0.5053, 0.4370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(12.2310, 0.5053, 0.4370)$

Conversions

Conversions Part 1

Format	Color
Hex	8C5600
RGB	140, 86, 0
RGB Percent	55%, 34%, 0%
CMY	0.4510, 0.6627, 1.0000
CMYK	0.00, 0.39, 1.00, 0.45
HSL	37°, 100%, 27%
HSV	37°, 100%, 55%
XYZ	14.1426, 12.2310, 1.6149
YIQ	92.3420, 59.7900, -15.2980

Conversions

Conversions Part 2

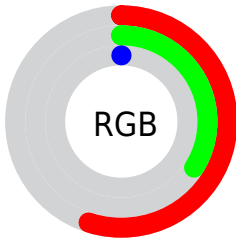
Format	Color
RYB	88, 140, 0
Decimal	9197056
CIELab	41.58, 16.76, 50.14
CIELCh	42, 52.865, 71.518
Yxy	12.2310, 0.5053, 0.4370
Android (android.graphics.Color)	4287387136 (0xFF8C5600)
YUV	92.3420, -45.5246, 41.7961
Hunter-Lab	34.9728, 10.9809, 21.7432

Details

The Yxy color **12.2310, 0.5053, 0.4370** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5309, 0.1684, 0.1260**, and the grayscale version is **10.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9095, 0.4647, 0.4233**, and **3.4707, 0.5325, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **12.2317, 0.5053, 0.4370**, and if you desaturate by 10%, it is **13.1585, 0.4888, 0.4385**.

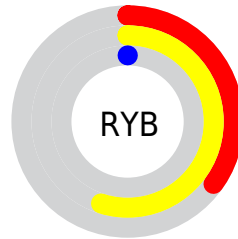
Distribution



Red (55%)

Green (34%)

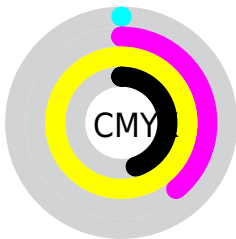
Blue (0%)



Red (35%)

Yellow (55%)

Blue (0%)

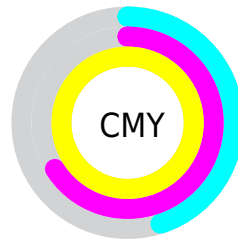


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2310, 0.5053, 0.4370 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 12.2310, 0.5053, 0.4370 by changing the saturation by 10% instead.


 12.2310, 0.5053,
0.4370


 12.2310, 0.5053,
0.4370


 205.9286, 0.3966,
0.3859


 6.9012, 0.5355,
0.4451


 29.9151, 0.4651,
0.4225

 3.4004, 0.5608,
0.4392

 43.0383, 0.4498,
0.4154


 1.3442, 0.5854,
0.4146

 59.5279, 0.4370,
0.4089

 0.1750, 0.7668,
0.2332


 79.7686, 0.4263,
0.4032


 0.0000, 0.0000,
0.0000


 104.1446, 0.4171,
0.3981


 133.0403, 0.4093,


0.3935

 166.8402, 0.4025,
0.3895


 12.2310, 0.5053,
0.4370


 12.2310, 0.5053,
0.4370

 12.2317, 0.5053,
0.4370

 13.1585, 0.4888,
0.4385

 14.1722, 0.4704,
0.4363

 15.2851, 0.4497,
0.4295

 16.5021, 0.4278,
0.4189

 17.8279, 0.4056,
0.4056

■ 19.2667, 0.3841,
0.3907

■ 20.8221, 0.3638,
0.3750

■ 22.4979, 0.3450,
0.3591

■ 24.2974, 0.3280,
0.3437

Harmonies

Analogous

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



12.2310, 0.5336, 0.3602



12.2310, 0.5053, 0.4370



12.2310, 0.4271, 0.5119

Triad

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



12.2310, 0.5053, 0.4370



12.2310, 0.1599, 0.3395



12.2310, 0.2620, 0.1855

Complementary

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



12.2310, 0.5053, 0.4370



4.5309, 0.1684, 0.1260

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.



12.2310, 0.1821, 0.1691



12.2310, 0.5053, 0.4370



12.2310, 0.1325, 0.2347

Square

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



12.2310, 0.5053, 0.4370



12.2310, 0.2291, 0.4743



12.2310, 0.1406, 0.1824



12.2310, 0.3761, 0.2278

Rectangle

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



12.2310, 0.5053, 0.4370



12.2310, 0.3617, 0.5422



12.2310, 0.1406, 0.1824



12.2310, 0.2309, 0.1770

Sweetspot

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



12.2317, 0.5053, 0.4370



36.5325, 0.3650, 0.3760



5.8607, 0.5324, 0.2707



8.1781, 0.3724, 0.3819



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.2317, 0.5053, 0.4370



21.2481, 0.5075, 0.4352



23.1907, 0.4023, 0.5188



5.5264, 0.3266, 0.3424



10.9077, 0.5048, 0.4374



0.1009, 0.4592, 0.4736

Inverse Universe

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



4.5309, 0.1684, 0.1260



7.6966, 0.1673, 0.1224



1.9867, 0.1544, 0.0624



5.1880, 0.2991, 0.3152



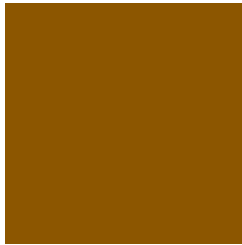
4.0622, 0.1686, 0.1269



0.0539, 0.1915, 0.2093

Previews

White Background



This preview shows how the Yxy color 12.2310, 0.5053, 0.4370 looks on a white background.

Color Contrast Check

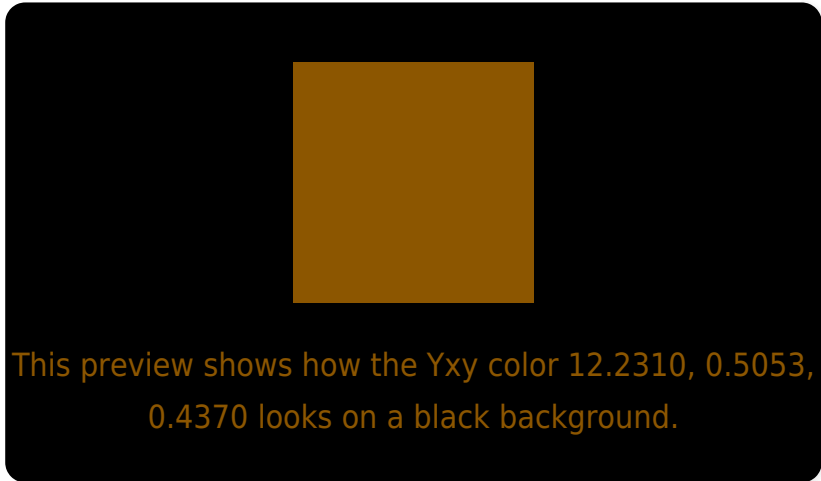
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2310, 0.5053, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 12.2310, 0.5053, 0.4370.



This preview shows how white text looks on a background with the Yxy color 12.2310, 0.5053, 0.4370.

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

12.2310, 0.5053, 0.4370

Protanopia

12.3251, 0.4345, 0.4837

Deuteranopia

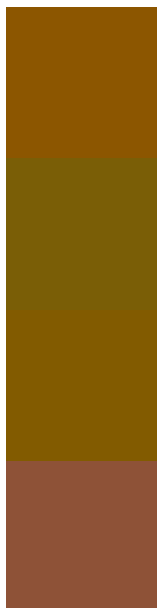
12.3654, 0.4692, 0.4656



Tritanopia

12.2488, 0.4128, 0.3185

Trichromacy



Original Color

12.2310, 0.5053, 0.4370

Protanomaly

12.1561, 0.4621, 0.4657

Deuteranomaly

12.2280, 0.4821, 0.4554

Tritanomaly

12.0612, 0.4632, 0.3759

Monochromacy



Original Color

12.2310, 0.5053, 0.4370

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.8793, 0.3938, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2310, 0.5053, 0.4370 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(140, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 86, 0)  
}
```

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(140, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2310, 0.5053, 0.4370 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(140, 86, 0) }
```

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

```
.border{ border-color:rgb(140, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2310, 0.5053, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 86, 0) }
```

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

```
.background{ background-color: rgb(140, 86,  
0) }
```

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