

Converting Colors

$Y_{xy}(12.5017, 0.5325, 0.3951)$

Have a look what the booklet for
Yxy(12.5017, 0.5325, 0.3951)
contains.

Yxy(12.4959, 0.5324, 0.3953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4959, 0.5324, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	9E4C16
RGB	158, 76, 22
RGB Percent	62%, 30%, 9%
CMY	0.3804, 0.7019, 0.9136
CMYK	0.00, 0.52, 0.86, 0.38
HSL	24°, 76%, 35%
HSV	24°, 86%, 62%
XYZ	16.8298, 12.4959, 2.2855
YIQ	94.3620, 66.2060, 0.5900

Conversions

Conversions Part 2

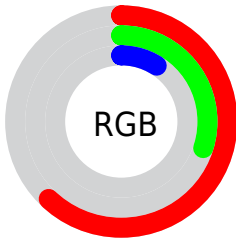
Format	Color
RYB	158, 112, 22
Decimal	10374166
CIELab	41.99, 30.80, 44.82
CIElCh	42, 54.380, 55.505
Yxy	12.4959, 0.5324, 0.3953
Android (android.graphics.Color)	4288564246 (0xFF9E4C16)
YUV	94.3620, -35.6745, 55.8105
Hunter-Lab	35.3495, 23.1215, 20.9113

Details

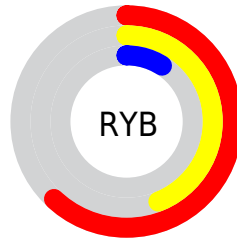
The Yxy color **12.4959, 0.5324, 0.3953** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.5449, 0.1970, 0.2157**, and the grayscale version is **11.3596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2821, 0.4833, 0.3901**, and **3.5398, 0.5910, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **11.2350, 0.5585, 0.3895**, and if you desaturate by 10%, it is **13.9890, 0.5023, 0.3962**.

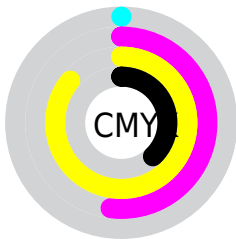
Distribution



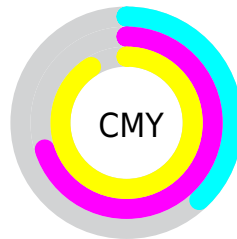
- Red (62%)
- Green (30%)
- Blue (9%)



- Red (62%)
- Yellow (44%)
- Blue (9%)



- Cyan (0%)
- Magenta (52%)
- Yellow (86%)
- Black (38%)




- Cyan (38%)
- Magenta (70%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4959, 0.5324, 0.3953 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 12.4959, 0.5324, 0.3953 by changing the saturation by 10% instead.


 12.4959, 0.5324,
0.3953


 12.4959, 0.5324,
0.3953


207.6612, 0.4048,
0.3697


 7.0824, 0.5667,
0.3932


 30.3951, 0.4831,
0.3908


 3.5137, 0.6145,
0.3855

 43.6496, 0.4652,
0.3873


 1.4054, 0.6528,
0.3472

 60.2865, 0.4505,
0.3838

 0.2207, 0.8142,
0.1858


 80.6902, 0.4382,
0.3804

 0.0000, 0.0000,
0.0000


 105.2451, 0.4279,
0.3774


 134.3357, 0.4190,


0.3746


 168.3462, 0.4114,
0.3720

 12.4959, 0.5324,
0.3953

 12.4959, 0.5324,
0.3953

 11.2350, 0.5585,
0.3895


 13.9890, 0.5023,
0.3962

 10.7929, 0.5685,
0.3868

 15.7272, 0.4706,
0.3925

 17.7236, 0.4393,
0.3855

 19.9894, 0.4100,
0.3763

 22.5355, 0.3835,
0.3660

■ 25.3716, 0.3601,
0.3553

■ 28.5072, 0.3397,
0.3448

■ 31.9512, 0.3221,
0.3348

■ 35.7123, 0.3070,
0.3254

Harmonies

Analogous

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



12.4959, 0.5222, 0.3209



12.4959, 0.5324, 0.3953



12.4959, 0.4752, 0.4752

Triad

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



12.4959, 0.5324, 0.3953



12.4959, 0.1893, 0.4146



12.4959, 0.2125, 0.1709

Complementary

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



12.4959, 0.5324, 0.3953



12.5449, 0.1970, 0.2157

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.



12.4959, 0.1531, 0.1696



12.4959, 0.5324, 0.3953



12.4959, 0.1394, 0.2825

Square

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



12.4959, 0.5324, 0.3953



12.4959, 0.2786, 0.5302



12.4959, 0.1295, 0.2021



12.4959, 0.3121, 0.2002

Rectangle

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



12.4959, 0.5324, 0.3953



12.4959, 0.4154, 0.5232



12.4959, 0.1295, 0.2021



12.4959, 0.1883, 0.1672

Sweetspot

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



12.4966, 0.5324, 0.3953



45.8315, 0.3611, 0.3558



8.8820, 0.4216, 0.2205



9.9436, 0.3684, 0.3593



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.4966, 0.5324, 0.3953



19.2343, 0.5718, 0.3842



26.7131, 0.4328, 0.4830



7.0566, 0.3275, 0.3379



8.7172, 0.5670, 0.3880



0.2359, 0.5004, 0.4408

Inverse Universe

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



12.5449, 0.1970, 0.2157



19.0382, 0.1868, 0.1924



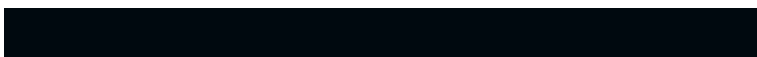
4.0190, 0.1636, 0.0914



7.0671, 0.2988, 0.3199



8.6508, 0.1879, 0.1963



0.2356, 0.2043, 0.2553

Previews

White Background



This preview shows how the Yxy color 12.4959, 0.5324, 0.3953 looks on a white background.

Color Contrast Check

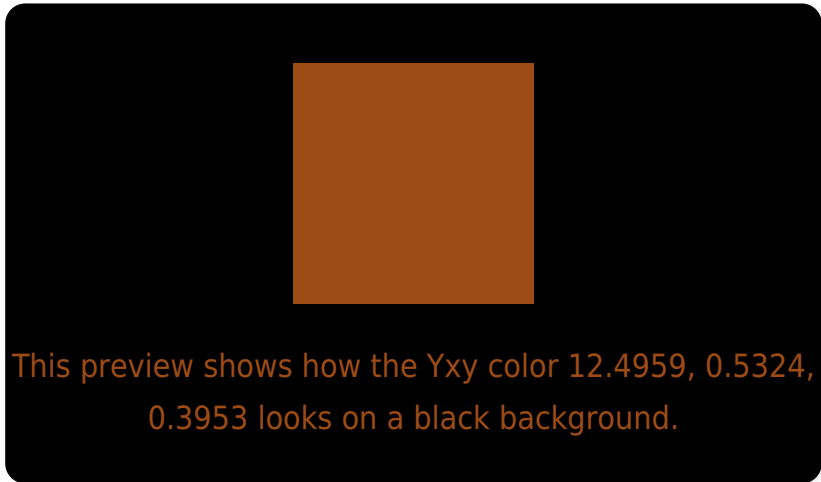
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4959, 0.5324, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 12.4959, 0.5324, 0.3953.



This preview shows how white text looks on a background with the Yxy color 12.4959, 0.5324, 0.3953.

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

12.4959, 0.5324, 0.3953

Protanopia

12.6429, 0.4236, 0.4678

Deuteranopia

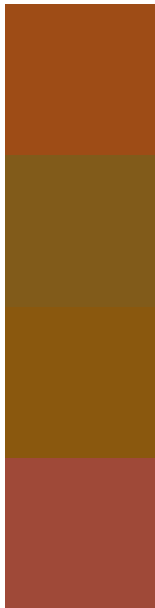
12.6420, 0.4646, 0.4606



Tritanopia

12.5019, 0.4647, 0.3218

Trichromacy



Original Color

12.4959, 0.5324, 0.3953

Protanomaly

12.2239, 0.4660, 0.4388

Deuteranomaly

12.4144, 0.4924, 0.4350

Tritanomaly

12.4215, 0.4964, 0.3545

Monochromacy



Original Color

12.4959, 0.5324, 0.3953

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.0157, 0.3959, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4959, 0.5324, 0.3953 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(158, 76, 22)` looks like.

```
.text, #text, p{  
  color:rgb(158, 76, 22)  
}
```

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(158, 76, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 76, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.4959, 0.5324, 0.3953 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(158, 76, 22) }
```

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

```
.border{ border-color:rgb(158, 76, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 76, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 76, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 76, 22);  
box-shadow:4px 4px 4px 4px rgb(158, 76,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4959, 0.5324, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 76, 22) }
```

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

```
.background{ background-color: rgb(158, 76,  
22) }
```

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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