

Converting Colors

$Y_{xy}(10.0123, 0.5692, 0.3862)$

Have a look what the booklet for
Yxy(10.0123, 0.5692, 0.3862)
contains.

Yxy(10.0040, 0.5694, 0.3861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0040, 0.5694, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	993C00
RGB	153, 60, 0
RGB Percent	60%, 24%, 0%
CMY	0.4000, 0.7647, 1.0000
CMYK	0.00, 0.61, 1.00, 0.40
HSL	24°, 100%, 30%
HSV	24°, 100%, 60%
XYZ	14.7534, 10.0040, 1.1530
YIQ	80.9670, 74.6880, 1.0560

Conversions

Conversions Part 2

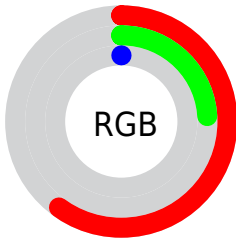
Format	Color
R _Y B	153, 99, 0
Decimal	10042368
CIE Lab	37.85, 36.60, 48.92
CIE LCh	38, 61.101, 53.199
Yxy	10.0040, 0.5694, 0.3861
Android (android.graphics.Color)	4288232448 (0xFF993C00)
YUV	80.9670, -39.9167, 63.1729
Hunter-Lab	31.6291, 27.9103, 19.9790

Details

The Yxy color **10.0040, 0.5694, 0.3861** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.1293, 0.1881, 0.1971**, and the grayscale version is **8.2912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7050, 0.5129, 0.3883**, and **2.5099, 0.6301, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **10.0046, 0.5694, 0.3861**, and if you desaturate by 10%, it is **11.1015, 0.5438, 0.3927**.

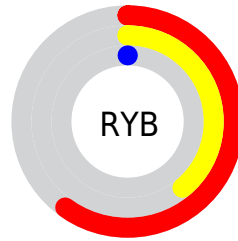
Distribution



Red (60%)

Green (24%)

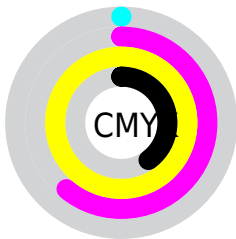
Blue (0%)



Red (60%)

Yellow (39%)

Blue (0%)

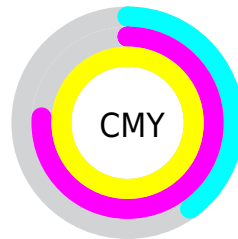


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0040, 0.5694, 0.3861 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 10.0040, 0.5694, 0.3861 by changing the saturation by 10% instead.


 10.0040, 0.5694,
0.3861

 10.0040, 0.5694,
0.3861


 190.7006, 0.4193,
0.3715


 5.4016, 0.6178,
0.3822

 25.8030, 0.5123,
0.3888


 2.4848, 0.6504,
0.3496

 37.7684, 0.4911,
0.3869


 0.8690, 0.7033,
0.2967

 52.9570, 0.4736,
0.3843

 0.0000, 1.0000,
0.0000


 71.7531, 0.4590,
0.3815


 0.0000, 0.0000,
0.0000

 94.5411, 0.4467,
0.3788

 121.7054, 0.4362,


0.3762


 153.6305, 0.4272,
0.3737


 10.0040, 0.5694,
0.3861

 10.0040, 0.5694,
0.3861


 10.0046, 0.5694,
0.3861

 11.1015, 0.5438,
0.3927

 12.4043, 0.5148,
0.3955

 13.9326, 0.4833,
0.3935

 15.6987, 0.4515,
0.3877

 17.7136, 0.4212,
0.3794

■ 19.9875, 0.3935,
0.3695

■ 22.5299, 0.3689,
0.3591

■ 25.3500, 0.3474,
0.3486

■ 28.4562, 0.3287,
0.3385

Harmonies

Analogous

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



10.0040, 0.5579, 0.3064



10.0040, 0.5694, 0.3861



10.0040, 0.5024, 0.4821

Triad

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



10.0040, 0.5694, 0.3861



10.0040, 0.1712, 0.4471



10.0040, 0.1885, 0.1475

Complementary

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



10.0040, 0.5694, 0.3861



10.1293, 0.1881, 0.1971

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.



10.0040, 0.1274, 0.1474



10.0040, 0.5694, 0.3861



10.0040, 0.1154, 0.2787

Square

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



10.0040, 0.5694, 0.3861



10.0040, 0.2733, 0.5850



10.0040, 0.1043, 0.1837



10.0040, 0.2992, 0.1774

Rectangle

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



10.0040, 0.5694, 0.3861



10.0040, 0.4314, 0.5466



10.0040, 0.1043, 0.1837



10.0040, 0.1631, 0.1441

Sweetspot

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



10.0046, 0.5694, 0.3861



40.0624, 0.3702, 0.3597



7.5872, 0.4450, 0.2225



8.4488, 0.3794, 0.3638



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



10.0046, 0.5694, 0.3861



17.5771, 0.5727, 0.3835



24.1437, 0.4411, 0.4880



6.6002, 0.3274, 0.3378



8.3295, 0.5681, 0.3871



0.1922, 0.4985, 0.4424

Inverse Universe

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



10.1293, 0.1881, 0.1971



17.7695, 0.1874, 0.1944



2.7278, 0.1528, 0.0699



6.6196, 0.2989, 0.3201



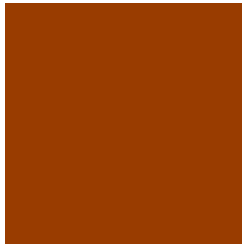
8.4373, 0.1884, 0.1982



0.1967, 0.2058, 0.2608

Previews

White Background



This preview shows how the Yxy color 10.0040, 0.5694, 0.3861 looks on a white background.

Color Contrast Check

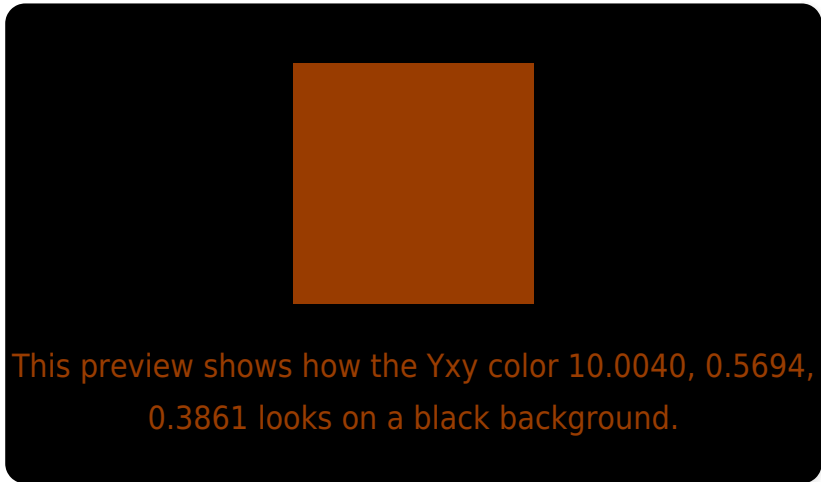
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

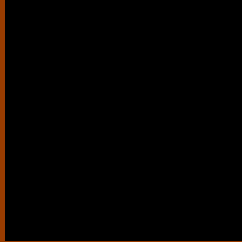
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0040, 0.5694, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 10.0040, 0.5694, 0.3861.



This preview shows how white text looks on a background with the Yxy color 10.0040, 0.5694, 0.3861.

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

10.0040, 0.5694, 0.3861

Protanopia

10.1135, 0.4308, 0.4783

Deuteranopia

10.2330, 0.4681, 0.4665



Tritanopia

10.0141, 0.5043, 0.3252

Trichromacy



Original Color

10.0040, 0.5694, 0.3861

Protanomaly

9.6069, 0.4864, 0.4410

Deuteranomaly

9.8969, 0.5079, 0.4350

Tritanomaly

9.9362, 0.5401, 0.3545

Monochromacy



Original Color

10.0040, 0.5694, 0.3861

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.1388, 0.4208, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0040, 0.5694, 0.3861 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(153, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 60, 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(153, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 60, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.0040, 0.5694, 0.3861 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(153, 60, 0) }
```

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

```
.border{ border-color:rgb(153, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 60, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0040, 0.5694, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 60, 0) }
```

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

```
.background{ background-color: rgb(153, 60,  
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](#).

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