

Converting Colors

$Y_{xy}(10.1266, 0.5671, 0.3879)$

Have a look what the booklet for
Yxy(10.1266, 0.5671, 0.3879)
contains.

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Color

Yxy(10.1098, 0.5676, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	993D00
RGB	153, 61, 0
RGB Percent	60%, 24%, 0%
CMY	0.3999, 0.7608, 0.9999
CMYK	0.00, 0.60, 1.00, 0.40
HSL	24°, 100%, 30%
HSV	24°, 100%, 60%
XYZ	14.8086, 10.1098, 1.1714
YIQ	81.5540, 74.4130, 0.5330

Conversions

Conversions Part 2

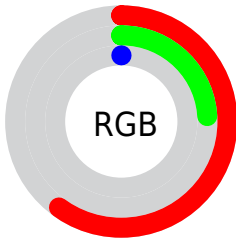
Format	Color
RYB	153, 101, 0
Decimal	10042624
CIELab	38.04, 36.12, 49.02
CIELCh	38, 60.890, 53.614
Yxy	10.1098, 0.5676, 0.3875
Android (android.graphics.Color)	4288232704 (0xFF993D00)
YUV	81.5540, -40.2061, 62.6581
Hunter-Lab	31.7959, 27.4914, 20.0728

Details

The Yxy color **10.1098, 0.5676, 0.3875** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.9644, 0.1875, 0.1950**, and the grayscale version is **8.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9221, 0.5117, 0.3895**, and **2.5533, 0.6270, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **10.1090, 0.5676, 0.3875**, and if you desaturate by 10%, it is **11.2140, 0.5422, 0.3940**.

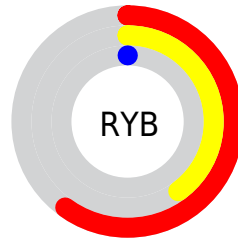
Distribution



Red (60%)

Green (24%)

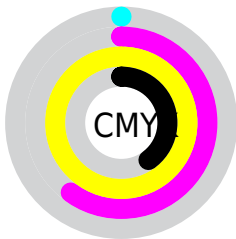
Blue (0%)



Red (60%)

Yellow (40%)

Blue (0%)

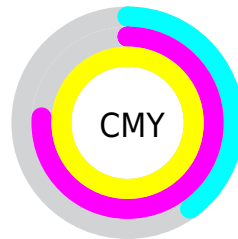


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (76%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1098, 0.5676, 0.3875 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 10.1098, 0.5676, 0.3875 by changing the saturation by 10% instead.


 10.1098, 0.5676,
0.3875

 10.1098, 0.5676,
0.3875


 191.4539, 0.4188,
0.3719


 5.4718, 0.6158,
0.3842

 26.0018, 0.5110,
0.3898

 2.5267, 0.6478,
0.3522

 38.0246, 0.4900,
0.3877


 0.8899, 0.6998,
0.3002

 53.2779, 0.4727,
0.3850

 0.0000, 1.0000,
0.0000


 72.1459, 0.4582,
0.3821

 0.0000, 0.0000,
0.0000


 95.0131, 0.4460,
0.3793


 122.2640, 0.4356,


0.3766


 154.2828, 0.4266,
0.3742


 10.1098, 0.5676,
0.3875


 10.1098, 0.5676,
0.3875


 10.1090, 0.5676,
0.3875

 11.2140, 0.5422,
0.3940

 12.5205, 0.5135,
0.3967

 14.0494, 0.4823,
0.3946

 15.8126, 0.4508,
0.3887

 17.8209, 0.4207,
0.3802

■ 20.0843, 0.3932,
0.3702

■ 22.6122, 0.3687,
0.3596

■ 25.4133, 0.3473,
0.3489

■ 28.4962, 0.3287,
0.3387

Harmonies

Analogous

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



10.1098, 0.5573, 0.3079



10.1098, 0.5676, 0.3875



10.1098, 0.5002, 0.4829

Triad

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



10.1098, 0.5676, 0.3875



10.1098, 0.1710, 0.4437



10.1098, 0.1904, 0.1486

Complementary

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



10.1098, 0.5676, 0.3875



9.9644, 0.1875, 0.1950

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.



10.1098, 0.1288, 0.1480



10.1098, 0.5676, 0.3875



10.1098, 0.1159, 0.2774

Square

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



10.1098, 0.5676, 0.3875



10.1098, 0.2723, 0.5821



10.1098, 0.1053, 0.1837



10.1098, 0.3013, 0.1787

Rectangle

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



10.1098, 0.5676, 0.3875



10.1098, 0.4293, 0.5465



10.1098, 0.1053, 0.1837



10.1098, 0.1648, 0.1450

Sweetspot

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



10.1104, 0.5676, 0.3875



40.1961, 0.3701, 0.3602



7.5895, 0.4450, 0.2225



8.4808, 0.3792, 0.3643



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.



10.1104, 0.5676, 0.3875



17.7574, 0.5709, 0.3849



24.1497, 0.4411, 0.4880



6.6065, 0.3274, 0.3379



8.4145, 0.5663, 0.3885



0.1940, 0.4972, 0.4434

Inverse Universe

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



9.9644, 0.1875, 0.1950



17.4663, 0.1867, 0.1922



2.7291, 0.1528, 0.0699



6.6132, 0.2989, 0.3199



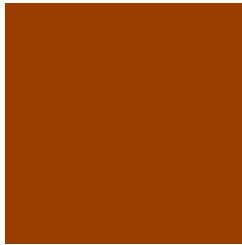
8.2982, 0.1878, 0.1960



0.1949, 0.2054, 0.2595

Previews

White Background



This preview shows how the Yxy color 10.1098, 0.5676, 0.3875 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

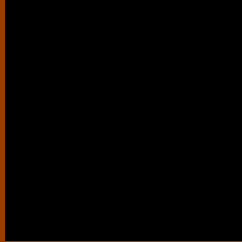
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1098, 0.5676, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 10.1098, 0.5676, 0.3875.



This preview shows how white text looks on a background with the Yxy color 10.1098, 0.5676, 0.3875.

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

10.1098, 0.5676, 0.3875

Protanopia

10.3414, 0.4308, 0.4786

Deuteranopia

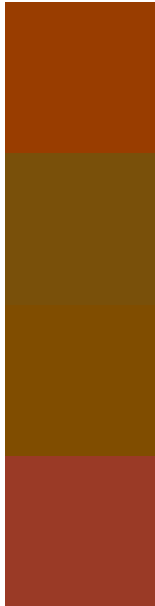
10.2330, 0.4681, 0.4665



Tritanopia

10.1225, 0.5012, 0.3251

Trichromacy



Original Color

10.1098, 0.5676, 0.3875

Protanomaly

9.8242, 0.4859, 0.4416

Deuteranomaly

9.8969, 0.5079, 0.4350

Tritanomaly

10.0361, 0.5387, 0.3559

Monochromacy



Original Color

10.1098, 0.5676, 0.3875

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3336, 0.4214, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1098, 0.5676, 0.3875 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, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 61, 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, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 61, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1098, 0.5676, 0.3875 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, 61, 0) }
```

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

```
.border{ border-color:rgb(153, 61, 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, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 61, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1098, 0.5676, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 61, 0) }
```

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

```
.background{ background-color: rgb(153, 61,  
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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