

Converting Colors

$Y_{xy}(12.1512, 0.5486, 0.4026)$

Have a look what the booklet for
Yxy(12.1512, 0.5486, 0.4026)
contains.

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Color

Yxy(12.1667, 0.5481, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	9E4A00
RGB	158, 74, 0
RGB Percent	62%, 29%, 0%
CMY	0.3804, 0.7097, 1.0000
CMYK	0.00, 0.53, 1.00, 0.38
HSL	28°, 100%, 31%
HSV	28°, 100%, 62%
XYZ	16.5473, 12.1667, 1.4763
YIQ	90.6800, 73.8180, -5.2060

Conversions

Conversions Part 2

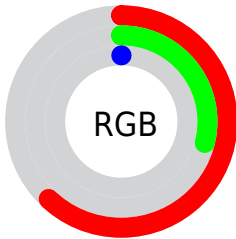
Format	Color
R _Y B	158, 139, 0
Decimal	10373632
CIE Lab	41.48, 31.43, 51.41
CIE LCh	41, 60.259, 58.560
Yxy	12.1667, 0.5481, 0.4030
Android (android.graphics.Color)	4288563712 (0xFF9E4A00)
YUV	90.6800, -44.7052, 59.0396
Hunter-Lab	34.8808, 23.6383, 21.9071

Details

The Yxy color **12.1667, 0.5481, 0.4030** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.8047, 0.1807, 0.1703**, and the grayscale version is **10.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7609, 0.4990, 0.3999**, and **3.3914, 0.5949, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **12.1670, 0.5481, 0.4030**, and if you desaturate by 10%, it is **13.4016, 0.5255, 0.4086**.

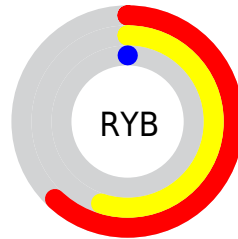
Distribution



Red (62%)

Green (29%)

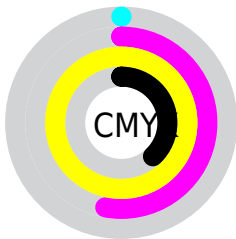
Blue (0%)



Red (62%)

Yellow (55%)

Blue (0%)

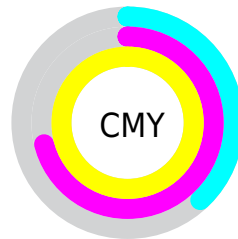


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1667, 0.5481, 0.4030 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 12.1667, 0.5481, 0.4030 by changing the saturation by 10% instead.


 12.1667, 0.5481,
0.4030


 12.1667, 0.5481,
0.4030


 205.5058, 0.4143,
0.3772


 6.8573, 0.5864,
0.4019


 29.7984, 0.4983,
0.4003


 3.3730, 0.6183,
0.3817


 42.8894, 0.4795,
0.3968

 1.3294, 0.6582,
0.3418

 59.3431, 0.4638,
0.3930

 0.1638, 0.8496,
0.1504

 79.5439, 0.4507,
0.3894


 0.0000, 0.0000,
0.0000

 103.8762, 0.4395,
0.3859


 132.7244, 0.4299,


0.3828


 166.4727, 0.4216,
0.3798


 12.1667, 0.5481,
0.4030


 12.1667, 0.5481,
0.4030

 12.1670, 0.5481,
0.4030

 13.4016, 0.5255,
0.4086

 14.8196, 0.5002,
0.4100

 16.4392, 0.4723,
0.4065

 18.2707, 0.4439,
0.3991

 20.3234, 0.4163,
0.3890

■ 22.6057, 0.3907,
0.3772

■ 25.1257, 0.3674,
0.3648

■ 27.8910, 0.3467,
0.3524

■ 30.9086, 0.3286,
0.3404

Harmonies

Analogous

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



12.1667, 0.5503, 0.3239



12.1667, 0.5481, 0.4030



12.1667, 0.4762, 0.4919

Triad

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



12.1667, 0.5481, 0.4030



12.1667, 0.1681, 0.4079



12.1667, 0.2114, 0.1599

Complementary

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



12.1667, 0.5481, 0.4030



8.8047, 0.1807, 0.1703

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.



12.1667, 0.1445, 0.1548



12.1667, 0.5481, 0.4030



12.1667, 0.1215, 0.2629

Square

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



12.1667, 0.5481, 0.4030



12.1667, 0.2600, 0.5495



12.1667, 0.1161, 0.1836



12.1667, 0.3242, 0.1937

Rectangle

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



12.1667, 0.5481, 0.4030



12.1667, 0.4081, 0.5467



12.1667, 0.1161, 0.1836



12.1667, 0.1842, 0.1549

Sweetspot

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



12.1674, 0.5481, 0.4030



45.3557, 0.3687, 0.3656



7.9119, 0.4795, 0.2415



9.8058, 0.3777, 0.3705



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.



12.1674, 0.5481, 0.4030



21.7068, 0.5511, 0.4006



29.9583, 0.4252, 0.5006



7.1328, 0.3273, 0.3395



9.8242, 0.5468, 0.4041



0.2597, 0.4866, 0.4518

Inverse Universe

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



8.8047, 0.1807, 0.1703



15.5884, 0.1798, 0.1672



2.5826, 0.1507, 0.0625



6.9896, 0.2988, 0.3183



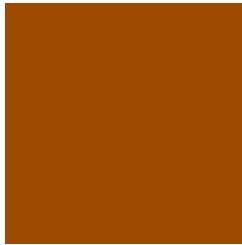
7.1323, 0.1810, 0.1717



0.2119, 0.2000, 0.2399

Previews

White Background



This preview shows how the Yxy color 12.1667, 0.5481, 0.4030 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



This preview shows how the Yxy color 12.1667, 0.5481, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

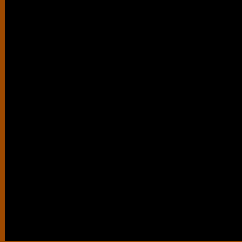
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1667, 0.5481, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 12.1667, 0.5481, 0.4030.



This preview shows how white text looks on a background with the Yxy color 12.1667, 0.5481, 0.4030.

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

12.1667, 0.5481, 0.4030

Protanopia

12.3349, 0.4327, 0.4810

Deuteranopia

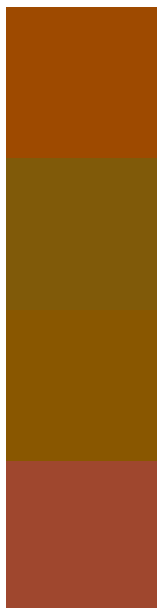
12.3654, 0.4692, 0.4656



Tritanopia

12.2109, 0.4721, 0.3234

Trichromacy



Original Color

12.1667, 0.5481, 0.4030

Protanomaly

11.9212, 0.4771, 0.4512

Deuteranomaly

12.1348, 0.4995, 0.4416

Tritanomaly

12.0747, 0.5144, 0.3644

Monochromacy



Original Color

12.1667, 0.5481, 0.4030

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4473, 0.4110, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1667, 0.5481, 0.4030 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, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 74, 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(158, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 74, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1667, 0.5481, 0.4030 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, 74, 0) }
```

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

```
.border{ border-color:rgb(158, 74, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 74, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1667, 0.5481, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 74, 0) }
```

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

```
.background{ background-color: rgb(158, 74,  
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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