

Converting Colors

$Y_{xy}(12.9444, 0.5497, 0.4017)$

Have a look what the booklet for
Yxy(12.9444, 0.5497, 0.4017)
contains.

Yxy(12.9554, 0.5491, 0.4022)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9554, 0.5491, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	A34C00
RGB	163, 76, 0
RGB Percent	64%, 30%, 0%
CMY	0.3608, 0.7019, 1.0000
CMYK	0.00, 0.53, 1.00, 0.36
HSL	28°, 100%, 32%
HSV	28°, 100%, 64%
XYZ	17.6872, 12.9554, 1.5687
YIQ	93.3490, 76.2480, -5.1920

Conversions

Conversions Part 2

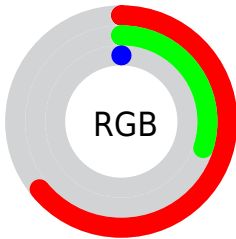
Format	Color
RYB	163, 142, 0
Decimal	10701824
CIELab	42.70, 32.46, 52.53
CIElCh	43, 61.753, 58.289
Yxy	12.9554, 0.5491, 0.4022
Android (android.graphics.Color)	4288891904 (0xFFA34C00)
YUV	93.3490, -46.0211, 61.0839
Hunter-Lab	35.9936, 24.7260, 22.6115

Details

The Yxy color **12.9554, 0.5491, 0.4022** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4587, 0.1808, 0.1707**, and the grayscale version is **11.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3214, 0.4993, 0.4003**, and **3.7736, 0.5944, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **12.9552, 0.5491, 0.4022**, and if you desaturate by 10%, it is **14.2754, 0.5266, 0.4080**.

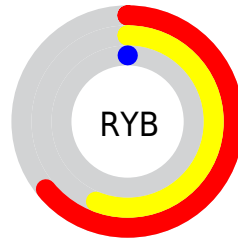
Distribution



Red (64%)

Green (30%)

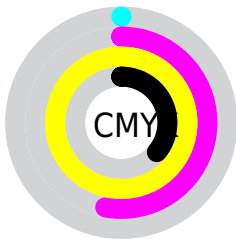
Blue (0%)



Red (64%)

Yellow (56%)

Blue (0%)

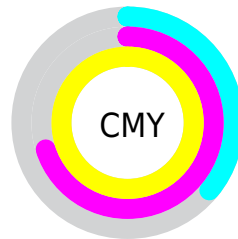


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (70%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9554, 0.5491, 0.4022 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 12.9554, 0.5491, 0.4022 by changing the saturation by 10% instead.


 12.9554, 0.5491,
0.4022


 12.9554, 0.5491,
0.4022


 210.6316, 0.4160,
0.3774


 7.3978, 0.5854,
0.4001


 31.2236, 0.4999,
0.3999


 3.7121, 0.6184,
0.3816


 44.7031, 0.4813,
0.3966


 1.5139, 0.6566,
0.3434

 61.5920, 0.4657,
0.3930

 0.2985, 0.7863,
0.2137

 82.2747, 0.4525,
0.3894

 0.0000, 1.0000,
0.0000


 107.1356, 0.4413,
0.3861

 0.0000, 0.0000,
0.0000


 136.5592, 0.4317,

0.3829


 170.9297, 0.4233,
0.3801


 12.9554, 0.5491,
0.4022

 12.9554, 0.5491,
0.4022


 12.9552, 0.5491,
0.4022

 14.2754, 0.5266,
0.4080

 15.7939, 0.5011,
0.4096

 17.5304, 0.4731,
0.4063

 19.4962, 0.4445,
0.3989

 21.7012, 0.4168,
0.3888

■ 24.1550, 0.3910,
0.3771

■ 26.8660, 0.3676,
0.3648

■ 29.8426, 0.3469,
0.3524

■ 33.0924, 0.3286,
0.3404

Harmonies

Analogous

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



12.9554, 0.5506, 0.3230



12.9554, 0.5491, 0.4022



12.9554, 0.4772, 0.4913

Triad

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



12.9554, 0.5491, 0.4022



12.9554, 0.1683, 0.4096



12.9554, 0.2103, 0.1593

Complementary

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



12.9554, 0.5491, 0.4022



9.4587, 0.1808, 0.1707

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.



12.9554, 0.1436, 0.1545



12.9554, 0.5491, 0.4022



12.9554, 0.1213, 0.2637

Square

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



12.9554, 0.5491, 0.4022



12.9554, 0.2606, 0.5512



12.9554, 0.1156, 0.1836



12.9554, 0.3230, 0.1930

Rectangle

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



12.9554, 0.5491, 0.4022



12.9554, 0.4091, 0.5466



12.9554, 0.1156, 0.1836



12.9554, 0.1832, 0.1544

Sweetspot

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



12.9561, 0.5491, 0.4022



47.8352, 0.3689, 0.3655



8.5179, 0.4730, 0.2379



10.2955, 0.3780, 0.3705



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.9561, 0.5491, 0.4022



22.8116, 0.5520, 0.3999



31.1752, 0.4282, 0.4982



7.6050, 0.3274, 0.3395



10.1593, 0.5476, 0.4034



0.3079, 0.4909, 0.4484

Inverse Universe

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



9.4587, 0.1808, 0.1707



16.5354, 0.1799, 0.1677



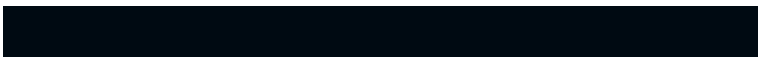
2.8212, 0.1510, 0.0636



7.4565, 0.2987, 0.3183



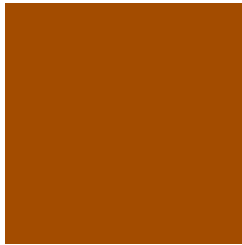
7.4430, 0.1812, 0.1722



0.2500, 0.1986, 0.2349

Previews

White Background



This preview shows how the Yxy color 12.9554, 0.5491, 0.4022 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 12.9554, 0.5491, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

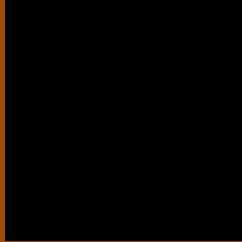
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9554, 0.5491, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 12.9554, 0.5491, 0.4022.



This preview shows how white text looks on a background with the Yxy color 12.9554, 0.5491, 0.4022.

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

12.9554, 0.5491, 0.4022

Protanopia

13.1821, 0.4337, 0.4801

Deuteranopia

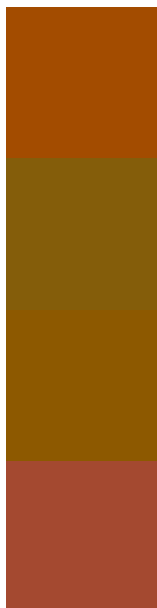
12.9549, 0.4698, 0.4652



Tritanopia

13.0138, 0.4734, 0.3236

Trichromacy



Original Color

12.9554, 0.5491, 0.4022

Protanomaly

12.7561, 0.4768, 0.4511

Deuteranomaly

12.8075, 0.5008, 0.4406

Tritanomaly

12.8710, 0.5146, 0.3634

Monochromacy



Original Color

12.9554, 0.5491, 0.4022

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9837, 0.4124, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9554, 0.5491, 0.4022 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(163, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 76, 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(163, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9554, 0.5491, 0.4022 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(163, 76, 0) }
```

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

```
.border{ border-color:rgb(163, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9554, 0.5491, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 76, 0) }
```

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

```
.background{ background-color: rgb(163, 76,  
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