

Converting Colors

$Y_{xy}(12.9852, 0.5099, 0.4362)$

Have a look what the booklet for
Yxy(12.9852, 0.5099, 0.4362)
contains.

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Color

Yxy(12.9992, 0.5077, 0.4351)

Conversions

Conversions Part 1

Format	Color
Hex	915800
RGB	145, 88, 0
RGB Percent	57%, 35%, 0%
CMY	0.4313, 0.6549, 1.0000
CMYK	0.00, 0.39, 1.00, 0.43
HSL	36°, 100%, 28%
HSV	36°, 100%, 57%
XYZ	15.1682, 12.9992, 1.7089
YIQ	95.0110, 62.2200, -15.2840

Conversions

Conversions Part 2

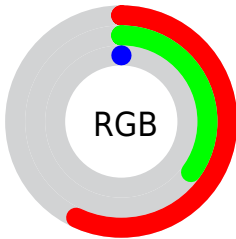
Format	Color
RYB	94, 145, 0
Decimal	9525248
CIELab	42.76, 17.92, 51.24
CIELCh	43, 54.283, 70.721
Yxy	12.9992, 0.5077, 0.4351
Android (android.graphics.Color)	4287715328 (0xFF915800)
YUV	95.0110, -46.8404, 43.8404
Hunter-Lab	36.0544, 12.0004, 22.4278

Details

The Yxy color **12.9992, 0.5077, 0.4351** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9722, 0.1688, 0.1276**, and the grayscale version is **11.5502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3198, 0.4678, 0.4216**, and **3.7306, 0.5363, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **12.9999, 0.5077, 0.4351**, and if you desaturate by 10%, it is **14.0059, 0.4910, 0.4370**.

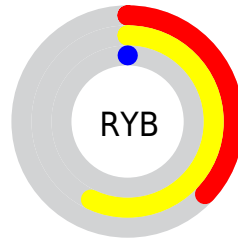
Distribution



Red (57%)

Green (35%)

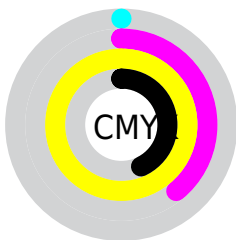
Blue (0%)



Red (37%)

Yellow (57%)

Blue (0%)

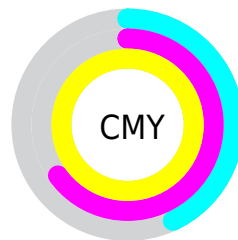


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9992, 0.5077, 0.4351 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 12.9992, 0.5077, 0.4351 by changing the saturation by 10% instead.


 12.9992, 0.5077,
0.4351


 12.9992, 0.5077,
0.4351


 210.9125, 0.3986,
0.3860


 7.4280, 0.5366,
0.4416


 31.3023, 0.4676,
0.4216


 3.7312, 0.5634,
0.4366


 44.8031, 0.4523,
0.4148

 1.5244, 0.5877,
0.4123

 61.7158, 0.4395,
0.4086

 0.3058, 0.7043,
0.2957


 82.4248, 0.4286,
0.4030


 0.0000, 0.0000,
0.0000


 107.3146, 0.4194,
0.3980


 136.7696, 0.4115,


0.3935


 171.1741, 0.4046,
0.3896


 12.9992, 0.5077,
0.4351

 12.9992, 0.5077,
0.4351


 12.9999, 0.5077,
0.4351

 14.0059, 0.4910,
0.4370

 15.1093, 0.4723,
0.4351

 16.3229, 0.4512,
0.4286

 17.6523, 0.4289,
0.4182

 19.1028, 0.4064,
0.4050

■ 20.6787, 0.3846,
0.3902

■ 22.3845, 0.3641,
0.3746

■ 24.2242, 0.3452,
0.3589

■ 26.2013, 0.3281,
0.3436

Harmonies

Analogous

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



12.9992, 0.5346, 0.3581



12.9992, 0.5077, 0.4351



12.9992, 0.4299, 0.5110

Triad

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



12.9992, 0.5077, 0.4351



12.9992, 0.1604, 0.3430



12.9992, 0.2590, 0.1840

Complementary

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



12.9992, 0.5077, 0.4351



4.9722, 0.1688, 0.1276

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.



12.9992, 0.1799, 0.1683



12.9992, 0.5077, 0.4351



12.9992, 0.1319, 0.2361

Square

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



12.9992, 0.5077, 0.4351



12.9992, 0.2309, 0.4786



12.9992, 0.1392, 0.1825



12.9992, 0.3732, 0.2259

Rectangle

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



12.9992, 0.5077, 0.4351



12.9992, 0.3644, 0.5429



12.9992, 0.1392, 0.1825



12.9992, 0.2281, 0.1757

Sweetspot

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



12.9999, 0.5077, 0.4351



39.8827, 0.3654, 0.3756



6.3263, 0.5332, 0.2711



8.6128, 0.3729, 0.3814



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.9999, 0.5077, 0.4351



22.9305, 0.5099, 0.4333



25.0405, 0.4022, 0.5188



5.9342, 0.3267, 0.3423



11.2001, 0.5070, 0.4356



0.1501, 0.4602, 0.4728

Inverse Universe

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



4.9722, 0.1688, 0.1276



8.5841, 0.1678, 0.1240



2.1421, 0.1542, 0.0623



5.5811, 0.2990, 0.3153



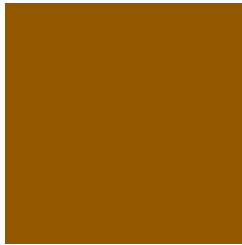
4.3121, 0.1691, 0.1288



0.0821, 0.1921, 0.2114

Previews

White Background



This preview shows how the Yxy color 12.9992, 0.5077, 0.4351 looks on a white background.

Color Contrast Check

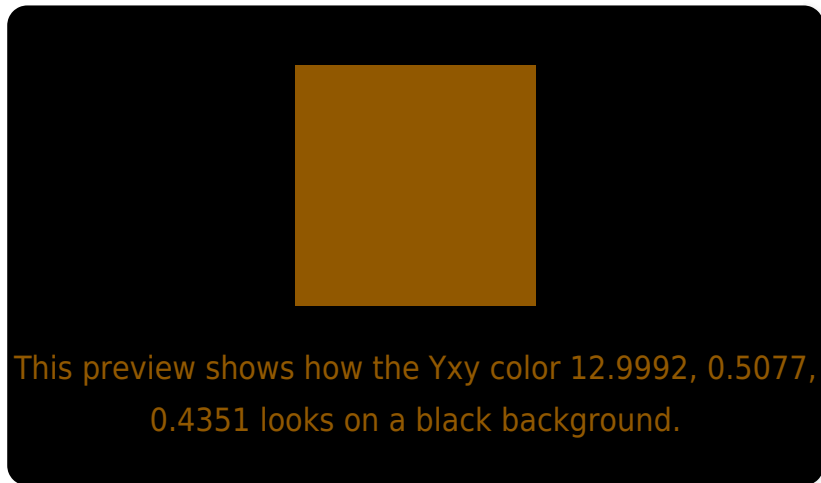
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9992, 0.5077, 0.4351

Background



This preview shows how black text looks on a background with the Yxy color 12.9992, 0.5077, 0.4351.



This preview shows how white text looks on a background with the Yxy color 12.9992, 0.5077, 0.4351.

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

12.9992, 0.5077, 0.4351

Protanopia

13.1717, 0.4355, 0.4827

Deuteranopia

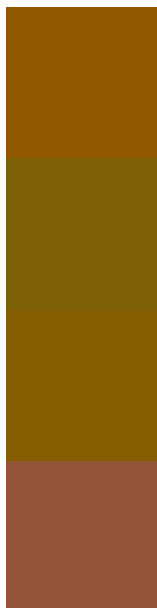
12.9549, 0.4698, 0.4652



Tritanopia

13.0351, 0.4156, 0.3189

Trichromacy



Original Color

12.9992, 0.5077, 0.4351

Protanomaly

13.0003, 0.4622, 0.4652

Deuteranomaly

12.8970, 0.4839, 0.4540

Tritanomaly

12.8292, 0.4664, 0.3760

Monochromacy



Original Color

12.9992, 0.5077, 0.4351

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4912, 0.3972, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9992, 0.5077, 0.4351 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(145, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 88, 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(145, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9992, 0.5077, 0.4351 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(145, 88, 0) }
```

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

```
.border{ border-color:rgb(145, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9992, 0.5077, 0.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 88, 0) }
```

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

```
.background{ background-color: rgb(145, 88,  
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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