

Converting Colors

$Y_{xy}(12.8642, 0.5107, 0.4002)$

Have a look what the booklet for
Yxy(12.8642, 0.5107, 0.4002)
contains.

Yxy(12.9006, 0.5099, 0.4013)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9006, 0.5099, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	99521E
RGB	153, 82, 30
RGB Percent	60%, 32%, 12%
CMY	0.3999, 0.6785, 0.8823
CMYK	0.00, 0.46, 0.80, 0.40
HSL	25°, 67%, 36%
HSV	25°, 80%, 60%
XYZ	16.3918, 12.9006, 2.8547
YIQ	97.3010, 59.0080, -1.1200

Conversions

Conversions Part 2

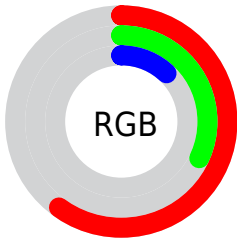
Format	Color
R_{YB}	153, 120, 30
Decimal	10048030
CIE _{Lab}	42.61, 25.67, 41.64
CIE _{LCh}	43, 48.918, 58.349
Yxy	12.9006, 0.5099, 0.4013
Android (android.graphics.Color)	4288238110 (0xFF99521E)
YUV	97.3010, -33.1794, 48.8480
Hunter-Lab	35.9174, 18.6073, 20.4299

Details

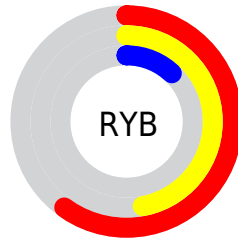
The Yxy color **12.9006, 0.5099, 0.4013** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.8915, 0.2001, 0.2174**, and the grayscale version is **12.1046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0496, 0.4650, 0.3926**, and **3.6889, 0.5687, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **11.5935, 0.5373, 0.3989**, and if you desaturate by 10%, it is **14.4187, 0.4799, 0.3989**.

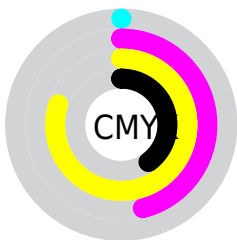
Distribution



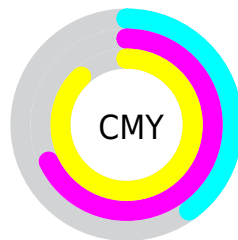
- Red (60%)
- Green (32%)
- Blue (12%)



- Red (60%)
- Yellow (47%)
- Blue (12%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (68%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9006, 0.5099, 0.4013 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 12.9006, 0.5099, 0.4013 by changing the saturation by 10% instead.


 12.9006, 0.5099,
0.4013


 12.9006, 0.5099,
0.4013


210.2796, 0.3948,
0.3691


 7.3601, 0.5414,
0.4027


 31.1251, 0.4649,
0.3929


 3.6883, 0.5938,
0.4062

 44.5779, 0.4488,
0.3884


 1.5008, 0.6263,
0.3737

 61.4370, 0.4355,
0.3843

 0.2893, 0.7574,
0.2426

 82.0867, 0.4246,
0.3806


 0.0000, 0.0000,
0.0000


 106.9114, 0.4153,
0.3772


 136.2955, 0.4074,


0.3742


 170.6235, 0.4007,
0.3716


 12.9006, 0.5099,
0.4013


 12.9006, 0.5099,
0.4013


 11.5935, 0.5373,
0.3989

 14.4187, 0.4799,
0.3989

 10.5166, 0.5608,
0.3929

 16.1567, 0.4494,
0.3926

 18.1254, 0.4202,
0.3836

 20.3339, 0.3933,
0.3730

 22.7908, 0.3691,
0.3618

■ 25.5044, 0.3478,
0.3506

■ 28.4824, 0.3293,
0.3397

■ 31.7321, 0.3133,
0.3294

■ 35.2606, 0.2995,
0.3198

Harmonies

Analogous

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



12.9006, 0.5044, 0.3310



12.9006, 0.5099, 0.4013



12.9006, 0.4567, 0.4726

Triad

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



12.9006, 0.5099, 0.4013



12.9006, 0.1961, 0.3933



12.9006, 0.2294, 0.1854

Complementary

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



12.9006, 0.5099, 0.4013



11.8915, 0.2001, 0.2174

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.



12.9006, 0.1702, 0.1821



12.9006, 0.5099, 0.4013



12.9006, 0.1521, 0.2803

Square

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



12.9006, 0.5099, 0.4013



12.9006, 0.2761, 0.4986



12.9006, 0.1449, 0.2103



12.9006, 0.3231, 0.2151

Rectangle

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



12.9006, 0.5099, 0.4013



12.9006, 0.4018, 0.5105



12.9006, 0.1449, 0.2103



12.9006, 0.2056, 0.1812

Sweetspot

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



12.9013, 0.5099, 0.4013



43.6211, 0.3562, 0.3551



8.6580, 0.4210, 0.2279



9.2835, 0.3632, 0.3588



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.



12.9013, 0.5099, 0.4013



19.2316, 0.5550, 0.3936



26.4445, 0.4233, 0.4833



6.6303, 0.3273, 0.3384



8.7526, 0.5596, 0.3939



0.2006, 0.4923, 0.4473

Inverse Universe

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



11.8915, 0.2001, 0.2174



17.1769, 0.1868, 0.1899



4.1117, 0.1690, 0.0985



6.5888, 0.2989, 0.3194



7.7832, 0.1855, 0.1876



0.1882, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 12.9006, 0.5099, 0.4013 looks on a white background.

Color Contrast Check

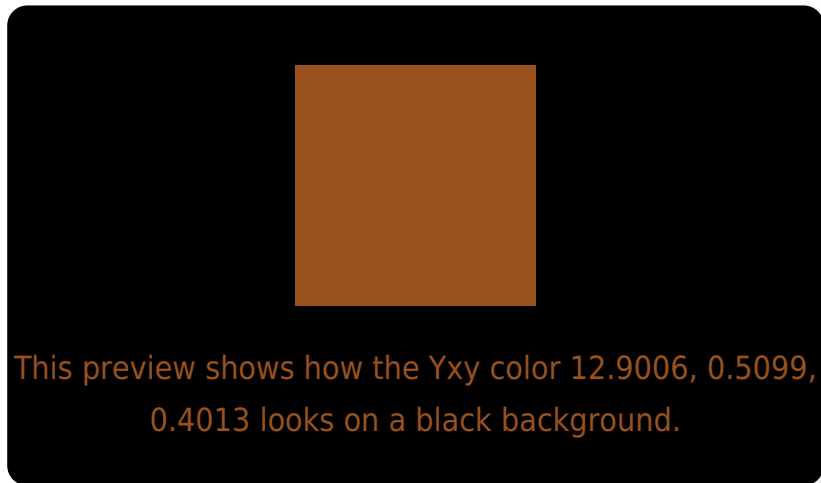
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9006, 0.5099, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 12.9006, 0.5099, 0.4013.



This preview shows how white text looks on a background with the Yxy color 12.9006, 0.5099, 0.4013.

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

12.9006, 0.5099, 0.4013

Protanopia

12.9394, 0.4177, 0.4593

Deuteranopia

12.9480, 0.4554, 0.4498



Tritanopia

12.8855, 0.4411, 0.3212

Trichromacy



Original Color

12.9006, 0.5099, 0.4013

Protanomaly

12.7044, 0.4532, 0.4369

Deuteranomaly

12.7955, 0.4753, 0.4315

Tritanomaly

12.8209, 0.4712, 0.3549

Monochromacy



Original Color

12.9006, 0.5099, 0.4013

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9172, 0.3836, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9006, 0.5099, 0.4013 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, 82, 30)` looks like.

```
.text, #text, p{  
    color:rgb(153, 82, 30)  
}
```

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, 82, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 82, 30) }
```

Border

The CSS property to change the border of an element to Yxy 12.9006, 0.5099, 0.4013 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, 82, 30) }
```

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

```
.border{ border-color:rgb(153, 82, 30) }
```

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

Here you see how a box with a 4 pixel rgb(153, 82, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 82, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 82, 30);  
box-shadow:4px 4px 4px 4px rgb(153, 82,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9006, 0.5099, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 82, 30) }
```

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

```
.background{ background-color: rgb(153, 82,  
30) }
```

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