

Converting Colors

$Y_{xy}(12.9503, 0.5265, 0.4202)$

Have a look what the booklet for
Yxy(12.9503, 0.5265, 0.4202)
contains.

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Color

Yxy(12.9588, 0.5264, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	995300
RGB	153, 83, 0
RGB Percent	60%, 33%, 0%
CMY	0.4000, 0.6745, 1.0000
CMYK	0.00, 0.46, 1.00, 0.40
HSL	33°, 100%, 30%
HSV	33°, 100%, 60%
XYZ	16.2301, 12.9588, 1.6434
YIQ	94.4680, 68.3630, -10.9730

Conversions

Conversions Part 2

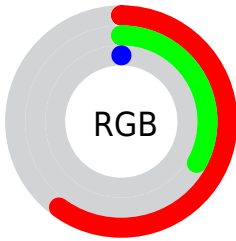
Format	Color
R_{YB}	129, 153, 0
Decimal	10048256
CIE _{Lab}	42.70, 24.37, 51.78
CIE _{LCh}	43, 57.232, 64.795
Yxy	12.9588, 0.5264, 0.4203
Android (android.graphics.Color)	4288238336 (0xFF995300)
YUV	94.4680, -46.5727, 51.3326
Hunter-Lab	35.9983, 17.4809, 22.4922

Details

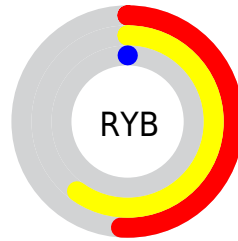
The Yxy color **12.9588, 0.5264, 0.4203** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6800, 0.1740, 0.1464**, and the grayscale version is **11.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2267, 0.4820, 0.4113**, and **3.7560, 0.5618, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **12.9597, 0.5264, 0.4203**, and if you desaturate by 10%, it is **14.1209, 0.5069, 0.4240**.

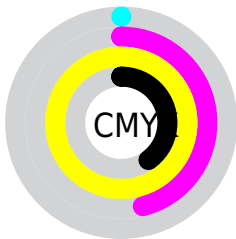
Distribution



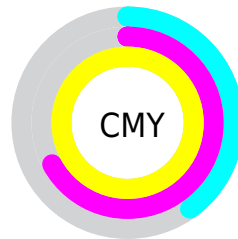
- Red (60%)
- Green (33%)
- Blue (0%)



- Red (51%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (100%)
- Black (40%)





- Cyan (40%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9588, 0.5264, 0.4203 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 12.9588, 0.5264, 0.4203 by changing the saturation by 10% instead.


 12.9588, 0.5264,
0.4203


 12.9588, 0.5264,
0.4203


 210.6535, 0.4063,
0.3822


 7.4002, 0.5588,
0.4229


 31.2297, 0.4821,
0.4119


 3.7136, 0.5886,
0.4114

 44.7109, 0.4652,
0.4067

 1.5147, 0.6198,
0.3802

 61.6016, 0.4511,
0.4016

 0.2990, 0.7463,
0.2537

 82.2864, 0.4393,
0.3969


 0.0000, 0.0000,
0.0000


 107.1495, 0.4291,
0.3927


 136.5755, 0.4204,


0.3888


 170.9487, 0.4129,
0.3853

 12.9588, 0.5264,
0.4203

 12.9588, 0.5264,
0.4203


 12.9597, 0.5264,
0.4203

 14.1209, 0.5069,
0.4240

 15.4194, 0.4852,
0.4237

 16.8703, 0.4610,
0.4186

 18.4812, 0.4359,
0.4096

 20.2589, 0.4111,
0.3978

■ 22.2097, 0.3875,
0.3843

■ 24.3395, 0.3657,
0.3701

■ 26.6536, 0.3460,
0.3559

■ 29.1573, 0.3283,
0.3421

Harmonies

Analogous

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



12.9588, 0.5421, 0.3421



12.9588, 0.5264, 0.4203



12.9588, 0.4515, 0.5030

Triad

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



12.9588, 0.5264, 0.4203



12.9588, 0.1641, 0.3714



12.9588, 0.2364, 0.1728

Complementary

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



12.9588, 0.5264, 0.4203



6.6800, 0.1740, 0.1464

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.



12.9588, 0.1630, 0.1622



12.9588, 0.5264, 0.4203



12.9588, 0.1272, 0.2480

Square

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



12.9588, 0.5264, 0.4203



12.9588, 0.2446, 0.5116



12.9588, 0.1284, 0.1831



12.9588, 0.3504, 0.2109

Rectangle

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



12.9588, 0.5264, 0.4203



12.9588, 0.3851, 0.5464



12.9588, 0.1284, 0.1831



12.9588, 0.2072, 0.1661

Sweetspot

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



12.9597, 0.5264, 0.4203



43.3527, 0.3670, 0.3710



7.2326, 0.5068, 0.2565



9.2416, 0.3752, 0.3765



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.



12.9597, 0.5264, 0.4203



22.8334, 0.5289, 0.4182



29.0699, 0.4136, 0.5098



6.7500, 0.3271, 0.3411



10.7780, 0.5254, 0.4211



0.2338, 0.4712, 0.4641

Inverse Universe

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



6.6800, 0.1740, 0.1464



11.6003, 0.1731, 0.1430



2.3329, 0.1513, 0.0607



6.4686, 0.2989, 0.3166



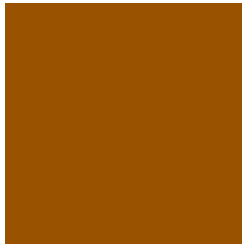
5.5861, 0.1744, 0.1477



0.1550, 0.1963, 0.2265

Previews

White Background



This preview shows how the Yxy color 12.9588, 0.5264, 0.4203 looks on a white background.

Color Contrast Check

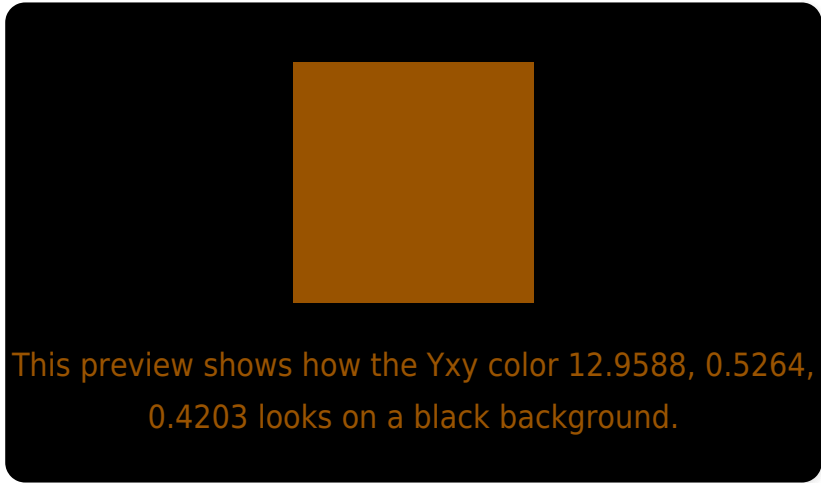
Large Text (above 18pt) WCAG AA ✓ Pass

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

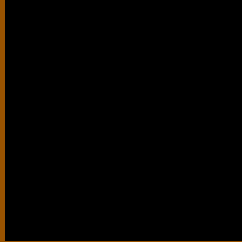
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9588, 0.5264, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 12.9588, 0.5264, 0.4203.



This preview shows how white text looks on a background with the Yxy color 12.9588, 0.5264, 0.4203.

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

12.9588, 0.5264, 0.4203

Protanopia

13.1092, 0.4331, 0.4826

Deuteranopia

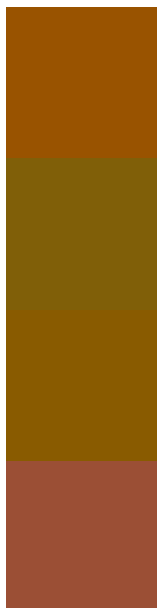
12.9549, 0.4698, 0.4652



Tritanopia

13.0002, 0.4407, 0.3196

Trichromacy



Original Color

12.9588, 0.5264, 0.4203

Protanomaly

12.7911, 0.4683, 0.4594

Deuteranomaly

12.8005, 0.4917, 0.4478

Tritanomaly

12.8176, 0.4883, 0.3691

Monochromacy



Original Color

12.9588, 0.5264, 0.4203

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2834, 0.4026, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9588, 0.5264, 0.4203 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9588, 0.5264, 0.4203 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, 83, 0) }
```

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

```
.border{ border-color:rgb(153, 83, 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, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9588, 0.5264, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 83, 0) }
```

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

```
.background{ background-color: rgb(153, 83,  
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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