

Converting Colors

$Y_{xy}(12.9466, 0.5612, 0.3926)$

Have a look what the booklet for
Yxy(12.9466, 0.5612, 0.3926)
contains.

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Color

Yxy(12.9596, 0.5604, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	A84800
RGB	168, 72, 0
RGB Percent	66%, 28%, 0%
CMY	0.3412, 0.7176, 1.0000
CMYK	0.00, 0.57, 1.00, 0.34
HSL	26°, 100%, 33%
HSV	26°, 100%, 66%
XYZ	18.4657, 12.9596, 1.5256
YIQ	92.4960, 80.3280, -2.0400

Conversions

Conversions Part 2

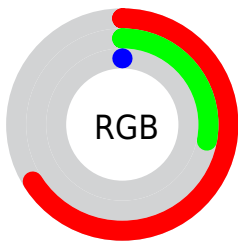
Format	Color
R_{YB}	168, 126, 0
Decimal	11028480
CIE _{Lab}	42.70, 36.56, 52.99
CIE _{LCh}	43, 64.382, 55.399
Yxy	12.9596, 0.5604, 0.3933
Android (android.graphics.Color)	4289218560 (0xFFA84800)
YUV	92.4960, -45.6005, 66.2170
Hunter-Lab	35.9994, 28.5615, 22.6869

Details

The Yxy color **12.9596, 0.5604, 0.3933** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.1919, 0.1843, 0.1833**, and the grayscale version is **10.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2744, 0.5095, 0.3941**, and **3.7245, 0.6113, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **12.9605, 0.5603, 0.3933**, and if you desaturate by 10%, it is **14.3401, 0.5365, 0.4000**.

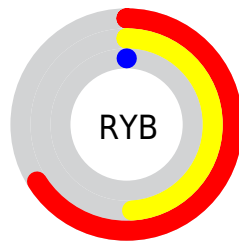
Distribution



Red (66%)

Green (28%)

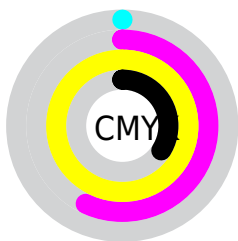
Blue (0%)



Red (66%)

Yellow (49%)

Blue (0%)

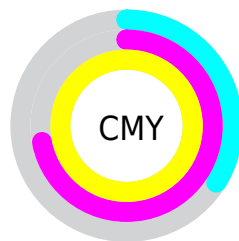


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9596, 0.5604, 0.3933 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 12.9596, 0.5604, 0.3933 by changing the saturation by 10% instead.


 12.9596, 0.5604,
0.3933


 12.9596, 0.5604,
0.3933


 210.6586, 0.4210,
0.3751


 7.4007, 0.5985,
0.3890


 31.2312, 0.5090,
0.3939


 3.7140, 0.6327,
0.3673

 44.7127, 0.4895,
0.3916

 1.5149, 0.6739,
0.3261

 61.6039, 0.4731,
0.3887

 0.2992, 0.8035,
0.1965

 82.2891, 0.4593,
0.3857

 0.0000, 1.0000,
0.0000


 107.1528, 0.4476,
0.3828

 0.0000, 0.0000,
0.0000


 136.5794, 0.4375,


0.3800


 170.9532, 0.4287,
0.3775

 12.9596, 0.5604,
0.3933


 12.9596, 0.5604,
0.3933

 12.9605, 0.5603,
0.3933

 14.3401, 0.5365,
0.4000

 15.9555, 0.5093,
0.4025

 17.8282, 0.4794,
0.4000

 19.9719, 0.4490,
0.3935

 22.3989, 0.4198,
0.3843

■ 25.1205, 0.3928,
0.3735

■ 28.1475, 0.3686,
0.3621

■ 31.4897, 0.3473,
0.3506

■ 35.1568, 0.3288,
0.3395

Harmonies

Analogous

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



12.9596, 0.5548, 0.3138



12.9596, 0.5604, 0.3933



12.9596, 0.4900, 0.4852

Triad

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



12.9596, 0.5604, 0.3933



12.9596, 0.1699, 0.4300



12.9596, 0.1981, 0.1527

Complementary

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



12.9596, 0.5604, 0.3933



11.1919, 0.1843, 0.1833

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.



12.9596, 0.1345, 0.1505



12.9596, 0.5604, 0.3933



12.9596, 0.1180, 0.2718

Square

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



12.9596, 0.5604, 0.3933



12.9596, 0.2678, 0.5703



12.9596, 0.1093, 0.1836



12.9596, 0.3098, 0.1842

Rectangle

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



12.9596, 0.5604, 0.3933



12.9596, 0.4204, 0.5456



12.9596, 0.1093, 0.1836



12.9596, 0.1719, 0.1486

Sweetspot

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



12.9605, 0.5603, 0.3933



50.7599, 0.3699, 0.3627



9.2068, 0.4597, 0.2306



10.5688, 0.3793, 0.3673



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.9605, 0.5603, 0.3933



23.1109, 0.5633, 0.3909



31.4365, 0.4346, 0.4931



8.0513, 0.3275, 0.3387



9.8851, 0.5587, 0.3946



0.3428, 0.5021, 0.4395

Inverse Universe

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



11.1919, 0.1843, 0.1833



19.8752, 0.1835, 0.1806



3.1413, 0.1517, 0.0659



7.9853, 0.2987, 0.3191



8.5549, 0.1847, 0.1849



0.3066, 0.1994, 0.2377

Previews

White Background



This preview shows how the Yxy color 12.9596, 0.5604, 0.3933 looks on a white background.

Color Contrast Check

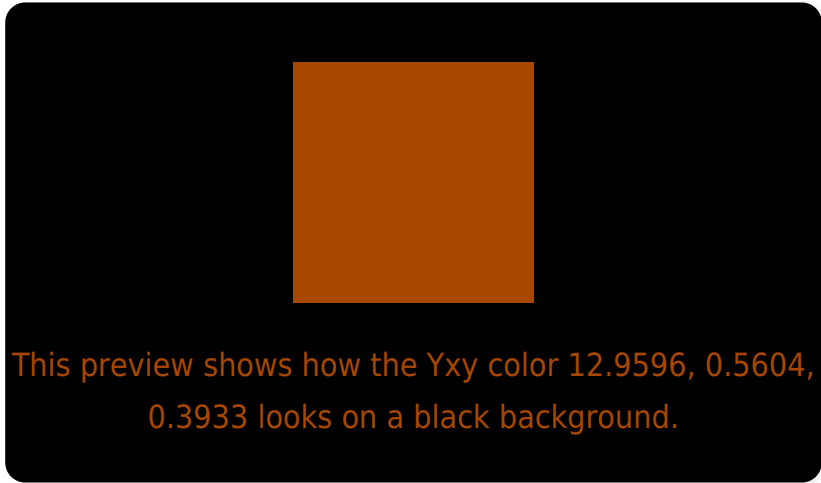
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9596, 0.5604, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 12.9596, 0.5604, 0.3933.



This preview shows how white text looks on a background with the Yxy color 12.9596, 0.5604, 0.3933.

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

12.9596, 0.5604, 0.3933

Protanopia

13.1850, 0.4332, 0.4793

Deuteranopia

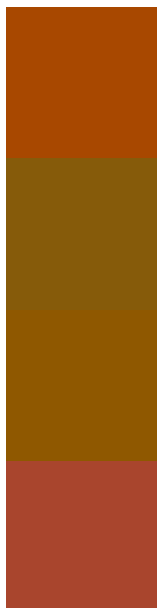
13.1386, 0.4680, 0.4666



Tritanopia

13.0153, 0.4909, 0.3240

Trichromacy



Original Color

12.9596, 0.5604, 0.3933

Protanomaly

12.5724, 0.4833, 0.4459

Deuteranomaly

12.8191, 0.5052, 0.4371

Tritanomaly

12.8807, 0.5295, 0.3597

Monochromacy



Original Color

12.9596, 0.5604, 0.3933

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8058, 0.4180, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9596, 0.5604, 0.3933 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(168, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 72, 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(168, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9596, 0.5604, 0.3933 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(168, 72, 0) }
```

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

```
.border{ border-color:rgb(168, 72, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 72, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9596, 0.5604, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 72, 0) }
```

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

```
.background{ background-color: rgb(168, 72,  
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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