

Converting Colors

$Y_{xy}(12.3896, 0.5196, 0.4256)$

Have a look what the booklet for
Yxy(12.3896, 0.5196, 0.4256)
contains.

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Color

Yxy(12.3896, 0.5196, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	935300
RGB	147, 83, 0
RGB Percent	58%, 33%, 0%
CMY	0.4235, 0.6745, 0.9998
CMYK	0.00, 0.44, 1.00, 0.42
HSL	34°, 100%, 29%
HSV	34°, 100%, 58%
XYZ	15.1260, 12.3896, 1.5953
YIQ	92.6740, 64.7870, -12.2450

Conversions

Conversions Part 2

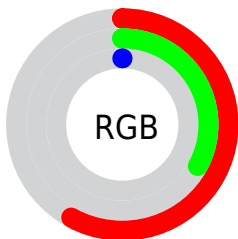
Format	Color
R_{YB}	113, 147, 0
Decimal	9655040
CIE _{Lab}	41.83, 21.69, 50.77
CIE _{LCh}	42, 55.207, 66.861
Yxy	12.3896, 0.5196, 0.4256
Android (android.graphics.Color)	4287845120 (0xFF935300)
YUV	92.6740, -45.6883, 47.6439
Hunter-Lab	35.1989, 15.1089, 21.9521

Details

The Yxy color **12.3896, 0.5196, 0.4256** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7777, 0.1723, 0.1402**, and the grayscale version is **10.9651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1923, 0.4760, 0.4156**, and **3.4968, 0.5548, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **12.3874, 0.5196, 0.4256**, and if you desaturate by 10%, it is **13.4492, 0.5010, 0.4286**.

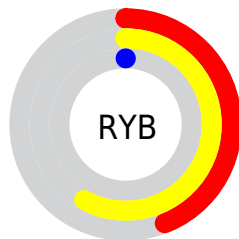
Distribution



Red (58%)

Green (33%)

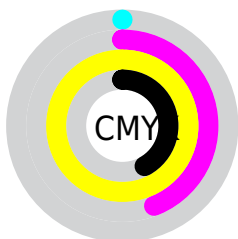
Blue (0%)



Red (44%)

Yellow (58%)

Blue (0%)

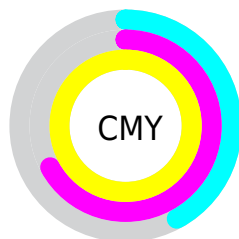


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3896, 0.5196, 0.4256 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 12.3896, 0.5196, 0.4256 by changing the saturation by 10% instead.


 12.3896, 0.5196,
0.4256


 12.3896, 0.5196,
0.4256


 206.9678, 0.4026,
0.3831


 7.0096, 0.5521,
0.4303


 30.2027, 0.4762,
0.4152


 3.4681, 0.5803,
0.4197

 43.4046, 0.4598,
0.4093


 1.3807, 0.6101,
0.3899

 59.9826, 0.4461,
0.4038

 0.2025, 0.7810,
0.2190


 80.3211, 0.4345,
0.3987

 0.0000, 0.0000,
0.0000


 104.8045, 0.4247,
0.3942

 133.8171, 0.4163,


0.3901


 167.7434, 0.4090,
0.3864


 12.3896, 0.5196,
0.4256


 12.3896, 0.5196,
0.4256


 12.3874, 0.5196,
0.4256

 13.4492, 0.5010,
0.4286

 14.6244, 0.4803,
0.4276

 15.9296, 0.4572,
0.4219

 17.3712, 0.4331,
0.4124

 18.9551, 0.4092,
0.4001

■ 20.6867, 0.3863,
0.3862

■ 22.5707, 0.3650,
0.3715

■ 24.6120, 0.3456,
0.3569

■ 26.8149, 0.3282,
0.3426

Harmonies

Analogous

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



12.3896, 0.5393, 0.3478



12.3896, 0.5196, 0.4256



12.3896, 0.4437, 0.5060

Triad

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



12.3896, 0.5196, 0.4256



12.3896, 0.1629, 0.3609



12.3896, 0.2444, 0.1769

Complementary

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



12.3896, 0.5196, 0.4256



5.7777, 0.1723, 0.1402

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.



12.3896, 0.1691, 0.1645



12.3896, 0.5196, 0.4256



12.3896, 0.1290, 0.2437

Square

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



12.3896, 0.5196, 0.4256



12.3896, 0.2398, 0.4996



12.3896, 0.1323, 0.1830



12.3896, 0.3585, 0.2163

Rectangle

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



12.3896, 0.5196, 0.4256



12.3896, 0.3778, 0.5453



12.3896, 0.1323, 0.1830



12.3896, 0.2146, 0.1696

Sweetspot

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



12.3903, 0.5196, 0.4256



40.1956, 0.3663, 0.3725



6.5992, 0.5129, 0.2599



8.8747, 0.3743, 0.3781



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.3903, 0.5196, 0.4256



21.8272, 0.5222, 0.4236



26.4125, 0.4108, 0.5120



6.3260, 0.3269, 0.3415



10.7892, 0.5189, 0.4262



0.1908, 0.4663, 0.4679

Inverse Universe

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



5.7777, 0.1723, 0.1402



10.0024, 0.1713, 0.1365



2.1551, 0.1520, 0.0611



6.0236, 0.2989, 0.3162



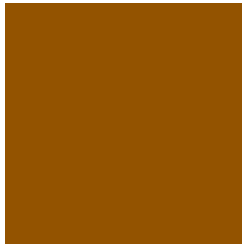
5.0542, 0.1725, 0.1411



0.1188, 0.1952, 0.2228

Previews

White Background



This preview shows how the Yxy color 12.3896, 0.5196, 0.4256 looks on a white background.

Color Contrast Check

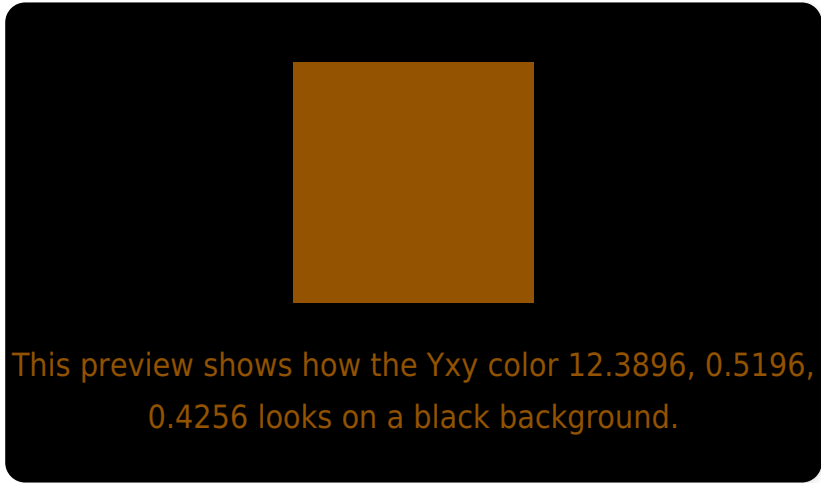
Large Text (above 18pt) WCAG AA ✓ Pass

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

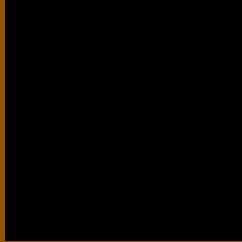
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3896, 0.5196, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 12.3896, 0.5196, 0.4256.



This preview shows how white text looks on a background with the Yxy color 12.3896, 0.5196, 0.4256.

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

12.3896, 0.5196, 0.4256

Protanopia

12.5856, 0.4336, 0.4827

Deuteranopia

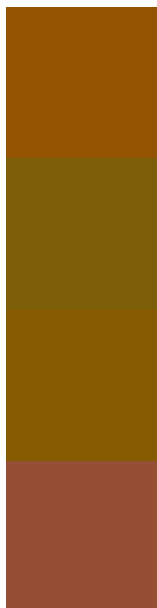
12.4410, 0.4707, 0.4645



Tritanopia

12.4163, 0.4316, 0.3192

Trichromacy



Original Color

12.3896, 0.5196, 0.4256

Protanomaly

12.3829, 0.4657, 0.4612

Deuteranomaly

12.3807, 0.4896, 0.4494

Tritanomaly

12.2386, 0.4803, 0.3712

Monochromacy



Original Color

12.3896, 0.5196, 0.4256

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9712, 0.4017, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3896, 0.5196, 0.4256 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(147, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 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(147, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3896, 0.5196, 0.4256 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(147, 83, 0) }
```

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

```
.border{ border-color:rgb(147, 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(147, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3896, 0.5196, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 83, 0) }
```

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

```
.background{ background-color: rgb(147, 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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