

Converting Colors

$Y_{xy}(12.5842, 0.5260, 0.4368)$

Have a look what the booklet for
Yxy(12.5842, 0.5260, 0.4368)
contains.

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Color

Yxy(12.5437, 0.5177, 0.4271)

Conversions

Conversions Part 1

Format	Color
Hex	935400
RGB	147, 84, 0
RGB Percent	58%, 33%, 0%
CMY	0.4235, 0.6706, 0.9998
CMYK	0.00, 0.43, 1.00, 0.42
HSL	34°, 100%, 29%
HSV	34°, 100%, 58%
XYZ	15.2046, 12.5437, 1.6212
YIQ	93.2610, 64.5120, -12.7680

Conversions

Conversions Part 2

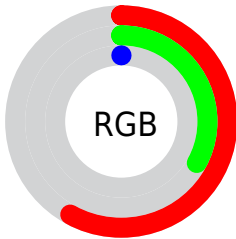
Format	Color
R _Y B	110, 147, 0
Decimal	9655296
CIE Lab	42.07, 21.13, 50.91
CIE LCh	42, 55.126, 67.458
Yxy	12.5437, 0.5177, 0.4271
Android (android.graphics.Color)	4287845376 (0xFF935400)
YUV	93.2610, -45.9777, 47.1291
Hunter-Lab	35.4171, 14.6502, 22.0780

Details

The Yxy color **12.5437, 0.5177, 0.4271** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6694, 0.1717, 0.1381**, and the grayscale version is **11.1107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4674, 0.4749, 0.4168**, and **3.5599, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **12.5408, 0.5178, 0.4271**, and if you desaturate by 10%, it is **13.6010, 0.4994, 0.4299**.

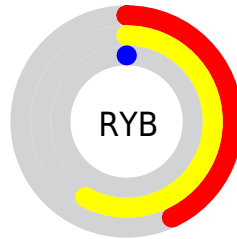
Distribution



Red (58%)

Green (33%)

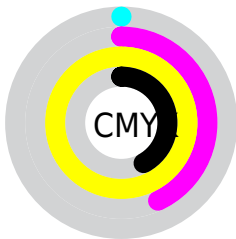
Blue (0%)



Red (43%)

Yellow (58%)

Blue (0%)

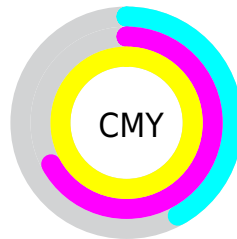


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5437, 0.5177, 0.4271 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 12.5437, 0.5177, 0.4271 by changing the saturation by 10% instead.


 12.5437, 0.5177,
0.4271

 12.5437, 0.5177,
0.4271


 207.9722, 0.4021,
0.3836


 7.1151, 0.5495,
0.4320


 30.4815, 0.4749,
0.4162


 3.5342, 0.5775,
0.4225

 43.7596, 0.4587,
0.4102


 1.4166, 0.6064,
0.3936

 60.4229, 0.4451,
0.4045

 0.2289, 0.7622,
0.2378


 80.8559, 0.4337,
0.3994

 0.0000, 0.0000,
0.0000

 105.4429, 0.4239,
0.3948

 134.5684, 0.4156,


0.3907


 168.6167, 0.4084,
0.3869


 12.5437, 0.5177,
0.4271

 12.5437, 0.5177,
0.4271


 12.5408, 0.5178,
0.4271

 13.6010, 0.4994,
0.4299

 14.7714, 0.4790,
0.4288

 16.0692, 0.4563,
0.4230

 17.5007, 0.4325,
0.4133

 19.0717, 0.4087,
0.4009

■ 20.7874, 0.3860,
0.3868

■ 22.6526, 0.3648,
0.3720

■ 24.6720, 0.3455,
0.3572

■ 26.8497, 0.3281,
0.3427

Harmonies

Analogous

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



12.5437, 0.5386, 0.3495



12.5437, 0.5177, 0.4271



12.5437, 0.4416, 0.5068

Triad

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



12.5437, 0.5177, 0.4271



12.5437, 0.1625, 0.3580



12.5437, 0.2467, 0.1780

Complementary

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



12.5437, 0.5177, 0.4271



5.6694, 0.1717, 0.1381

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.



12.5437, 0.1708, 0.1651



12.5437, 0.5177, 0.4271



12.5437, 0.1295, 0.2425

Square

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



12.5437, 0.5177, 0.4271



12.5437, 0.2384, 0.4963



12.5437, 0.1334, 0.1829



12.5437, 0.3608, 0.2178

Rectangle

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



12.5437, 0.5177, 0.4271



12.5437, 0.3757, 0.5450



12.5437, 0.1334, 0.1829



12.5437, 0.2167, 0.1706

Sweetspot

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



12.5444, 0.5177, 0.4271



40.3355, 0.3662, 0.3730



6.5722, 0.5197, 0.2637



8.9098, 0.3741, 0.3787



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.



12.5444, 0.5177, 0.4271



22.0987, 0.5202, 0.4251



26.2071, 0.4079, 0.5143



6.3322, 0.3269, 0.3416



10.9203, 0.5170, 0.4277



0.1923, 0.4653, 0.4687

Inverse Universe

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



5.6694, 0.1717, 0.1381



9.8078, 0.1707, 0.1345



2.1716, 0.1527, 0.0615



6.0175, 0.2989, 0.3160



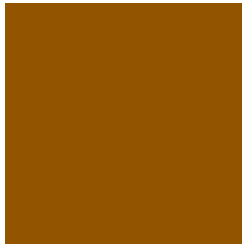
4.9586, 0.1720, 0.1391



0.1173, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 12.5437, 0.5177, 0.4271 looks on a white background.

Color Contrast Check

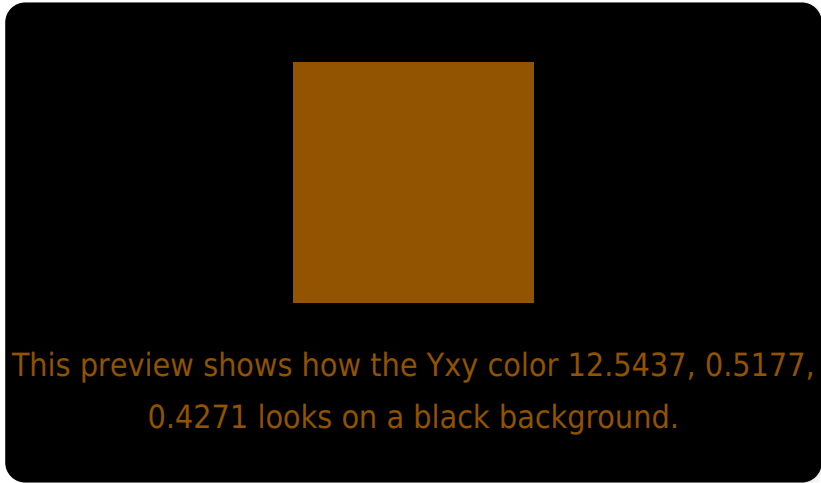
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5437, 0.5177, 0.4271

Background



This preview shows how black text looks on a background with the Yxy color 12.5437, 0.5177, 0.4271.



This preview shows how white text looks on a background with the Yxy color 12.5437, 0.5177, 0.4271.

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

12.5437, 0.5177, 0.4271

Protanopia

12.6516, 0.4352, 0.4816

Tritanopia

12.5729, 0.4290, 0.3191

Trichromacy



Original Color

12.5437, 0.5177, 0.4271

Protanomaly

12.3829, 0.4657, 0.4612

Tritanomaly

12.3839, 0.4789, 0.3729

Monochromacy



Original Color

12.5437, 0.5177, 0.4271

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.1388, 0.4007, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5437, 0.5177, 0.4271 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, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 84, 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, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.5437, 0.5177, 0.4271 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, 84, 0) }
```

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

```
.border{ border-color:rgb(147, 84, 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, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 12.5437, 0.5177, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 84, 0) }
```

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

```
.background{ background-color: rgb(147, 84,  
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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