

Converting Colors

$Y_{xy}(15.6187, 0.4937, 0.4462)$

Have a look what the booklet for
Yxy(15.6187, 0.4937, 0.4462)
contains.

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Color

Yxy(15.6937, 0.4930, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	976400
RGB	151, 100, 0
RGB Percent	59%, 39%, 0%
CMY	0.4078, 0.6078, 0.9997
CMYK	0.00, 0.34, 1.00, 0.41
HSL	40°, 100%, 30%
HSV	40°, 100%, 59%
XYZ	17.3203, 15.6937, 2.1185
YIQ	103.8490, 62.4960, -20.2880

Conversions

Conversions Part 2

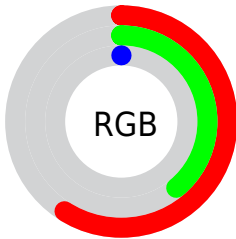
Format	Color
R_{YB}	77, 151, 0
Decimal	9921536
CIE _{Lab}	46.57, 13.77, 54.09
CIE _{LCh}	47, 55.813, 75.714
Yxy	15.6937, 0.4930, 0.4467
Android (android.graphics.Color)	4288111616 (0xFF976400)
YUV	103.8490, -51.1976, 41.3514
Hunter-Lab	39.6153, 8.7159, 24.5601

Details

The Yxy color **15.6937, 0.4930, 0.4467** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6096, 0.1644, 0.1119**, and the grayscale version is **13.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1718, 0.4580, 0.4305**, and **4.9259, 0.5141, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **15.6890, 0.4931, 0.4467**, and if you desaturate by 10%, it is **16.7391, 0.4790, 0.4476**.

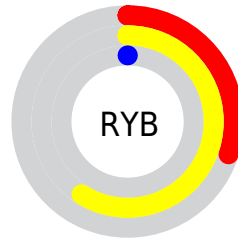
Distribution



Red (59%)

Green (39%)

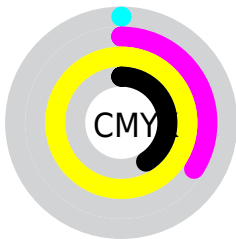
Blue (0%)



Red (30%)

Yellow (59%)

Blue (0%)

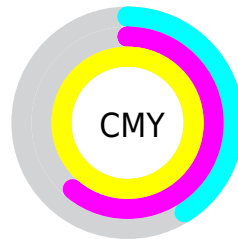


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6937, 0.4930, 0.4467 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 15.6937, 0.4930, 0.4467 by changing the saturation by 10% instead.


 15.6937, 0.4930,
0.4467


 15.6937, 0.4930,
0.4467


 227.5275, 0.3955,
0.3910


 9.3077, 0.5153,
0.4542


 36.0656, 0.4582,
0.4302


 4.9424, 0.5415,
0.4585

 50.8203, 0.4446,
0.4225


 2.2135, 0.5572,
0.4428

 69.1334, 0.4331,
0.4156

 0.7273, 0.5888,
0.4112

 91.3891, 0.4232,
0.4094

 0.0000, 0.0000,
0.0000


 117.9720, 0.4148,
0.4040


 149.2664, 0.4075,


0.3992


 185.6568, 0.4011,
0.3949


 15.6937, 0.4930,
0.4467


 15.6937, 0.4930,
0.4467


 15.6890, 0.4931,
0.4467

 16.7391, 0.4790,
0.4476

 17.8714, 0.4628,
0.4447

 19.1043, 0.4442,
0.4372

 20.4434, 0.4240,
0.4258

 21.8937, 0.4032,
0.4115

■ 23.4597, 0.3827,
0.3955

■ 25.1455, 0.3631,
0.3786

■ 26.9549, 0.3448,
0.3615

■ 28.8917, 0.3279,
0.3449

Harmonies

Analogous

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



15.6937, 0.5284, 0.3708



15.6937, 0.4930, 0.4467



15.6937, 0.4127, 0.5162

Triad

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



15.6937, 0.4930, 0.4467



15.6937, 0.1574, 0.3224



15.6937, 0.2774, 0.1929

Complementary

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



15.6937, 0.4930, 0.4467



4.6096, 0.1644, 0.1119

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.



15.6937, 0.1937, 0.1730



15.6937, 0.4930, 0.4467



15.6937, 0.1353, 0.2274

Square

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



15.6937, 0.4930, 0.4467



15.6937, 0.2199, 0.4528



15.6937, 0.1477, 0.1819



15.6937, 0.3910, 0.2378

Rectangle

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



15.6937, 0.4930, 0.4467



15.6937, 0.3476, 0.5381



15.6937, 0.1477, 0.1819



15.6937, 0.2453, 0.1833

Sweetspot

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



15.6945, 0.4930, 0.4467



44.8271, 0.3643, 0.3797



6.8374, 0.5536, 0.2824



9.9177, 0.3719, 0.3863



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.



15.6945, 0.4930, 0.4467



27.7478, 0.4949, 0.4453



26.7514, 0.3935, 0.5257



6.8711, 0.3268, 0.3437



13.4008, 0.4925, 0.4472



0.2669, 0.4543, 0.4775

Inverse Universe

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



4.6096, 0.1644, 0.1119



7.9390, 0.1635, 0.1084



2.4151, 0.1571, 0.0639



6.3505, 0.2988, 0.3139



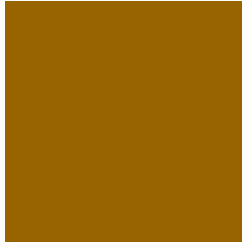
3.9655, 0.1647, 0.1129



0.1219, 0.1872, 0.1937

Previews

White Background



This preview shows how the Yxy color 15.6937, 0.4930, 0.4467 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



This preview shows how the Yxy color 15.6937, 0.4930, 0.4467 looks on a 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 15.6937, 0.4930, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 15.6937, 0.4930, 0.4467.



This preview shows how white text looks on a background with the Yxy color 15.6937, 0.4930, 0.4467.

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

15.6937, 0.4930, 0.4467

Protanopia

15.7508, 0.4365, 0.4842

Tritanopia

15.7174, 0.3986, 0.3175

Trichromacy



Original Color

15.6937, 0.4930, 0.4467

Protanomaly

15.5969, 0.4568, 0.4711

Tritanomaly

15.6059, 0.4504, 0.3813

Monochromacy



Original Color

15.6937, 0.4930, 0.4467

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.1588, 0.3915, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6937, 0.4930, 0.4467 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(151, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 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(151, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6937, 0.4930, 0.4467 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(151, 100, 0) }
```

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

```
.border{ border-color:rgb(151, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 100,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 15.6937, 0.4930, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 0) }
```

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

```
.background{ background-color: rgb(151,  
100, 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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