

Converting Colors

$Y_{xy}(12.9882, 0.5715, 0.3941)$

Have a look what the booklet for
Yxy(12.9882, 0.5715, 0.3941)
contains.

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Color

Yxy(13.0382, 0.5660, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	AB4600
RGB	171, 70, 0
RGB Percent	67%, 27%, 0%
CMY	0.3294, 0.7255, 0.9995
CMYK	0.00, 0.59, 1.00, 0.33
HSL	25°, 100%, 34%
HSV	25°, 100%, 67%
XYZ	18.9854, 13.0382, 1.5195
YIQ	92.2190, 82.6660, -0.3580

Conversions

Conversions Part 2

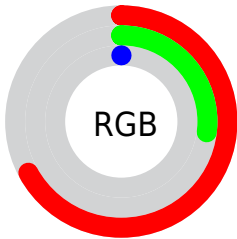
Format	Color
R_{YB}	171, 119, 0
Decimal	11224576
CIE Lab	42.82, 38.74, 53.26
CIE LCh	43, 65.862, 53.970
Yxy	13.0382, 0.5660, 0.3887
Android (android.graphics.Color)	4289414656 (0xFFAB4600)
YUV	92.2190, -45.4640, 69.0909
Hunter-Lab	36.1084, 30.6634, 22.7809

Details

The Yxy color **13.0382, 0.5660, 0.3887** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.2722, 0.1862, 0.1901**, and the grayscale version is **10.8521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2839, 0.5141, 0.3908**, and **3.8121, 0.6177, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **13.0294, 0.5662, 0.3887**, and if you desaturate by 10%, it is **14.4526, 0.5416, 0.3958**.

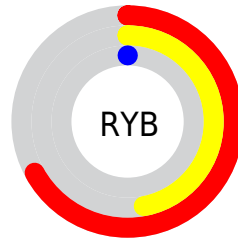
Distribution



Red (67%)

Green (27%)

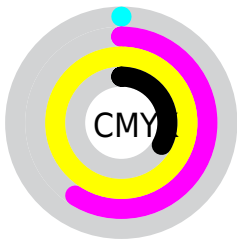
Blue (0%)



Red (67%)

Yellow (47%)

Blue (0%)

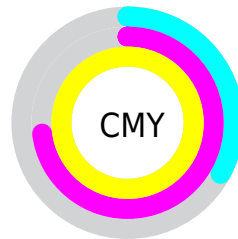


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0382, 0.5660, 0.3887 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 13.0382, 0.5660, 0.3887 by changing the saturation by 10% instead.


 13.0382, 0.5660,
0.3887


 13.0382, 0.5660,
0.3887

 211.1623, 0.4236,
0.3738


 7.4549, 0.6048,
0.3833


 31.3724, 0.5135,
0.3908


 3.7482, 0.6397,
0.3603

 44.8920, 0.4936,
0.3889

 1.5337, 0.6821,
0.3179

 61.8259, 0.4769,
0.3864

 0.3123, 0.8074,
0.1926

 82.5584, 0.4628,
0.3838


 0.0000, 1.0000,
0.0000


 107.4739, 0.4508,
0.3811


 0.0000, 0.0000,
0.0000


 136.9568, 0.4404,


0.3785

 171.3915, 0.4315,
0.3761

 13.0382, 0.5660,
0.3887


 13.0382, 0.5660,
0.3887

 13.0294, 0.5662,
0.3887

 14.4526, 0.5416,
0.3958

 16.1244, 0.5134,
0.3987

 18.0775, 0.4825,
0.3966

 20.3270, 0.4511,
0.3906

 22.8867, 0.4211,
0.3818

■ 25.7693, 0.3936,
0.3715

■ 28.9868, 0.3690,
0.3606

■ 32.5502, 0.3474,
0.3496

■ 36.4702, 0.3287,
0.3390

Harmonies

Analogous

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



13.0382, 0.5566, 0.3091



13.0382, 0.5660, 0.3887



13.0382, 0.4966, 0.4819

Triad

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



13.0382, 0.5660, 0.3887



13.0382, 0.1709, 0.4408



13.0382, 0.1920, 0.1495

Complementary

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



13.0382, 0.5660, 0.3887



12.2722, 0.1862, 0.1901

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.



13.0382, 0.1300, 0.1486



13.0382, 0.5660, 0.3887



13.0382, 0.1165, 0.2763

Square

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



13.0382, 0.5660, 0.3887



13.0382, 0.2715, 0.5796



13.0382, 0.1062, 0.1838



13.0382, 0.3030, 0.1799

Rectangle

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



13.0382, 0.5660, 0.3887



13.0382, 0.4263, 0.5447



13.0382, 0.1062, 0.1838



13.0382, 0.1663, 0.1458

Sweetspot

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



13.0389, 0.5660, 0.3887



51.5484, 0.3704, 0.3612



9.6329, 0.4530, 0.2269



10.9563, 0.3801, 0.3657



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.0389, 0.5660, 0.3887



22.9409, 0.5691, 0.3863



31.7406, 0.4379, 0.4905



8.5331, 0.3277, 0.3383



9.9206, 0.5645, 0.3900



0.3853, 0.5103, 0.4330

Inverse Universe

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



12.2722, 0.1862, 0.1901



21.5324, 0.1854, 0.1875



3.3486, 0.1521, 0.0674



8.5144, 0.2986, 0.3195



9.3488, 0.1865, 0.1915



0.3642, 0.1994, 0.2377

Previews

White Background



This preview shows how the Yxy color 13.0382, 0.5660, 0.3887 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 13.0382, 0.5660, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 13.0382, 0.5660, 0.3887.



This preview shows how white text looks on a background with the Yxy color 13.0382, 0.5660, 0.3887.

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

13.0382, 0.5660, 0.3887

Protanopia

13.1881, 0.4326, 0.4786

Deuteranopia

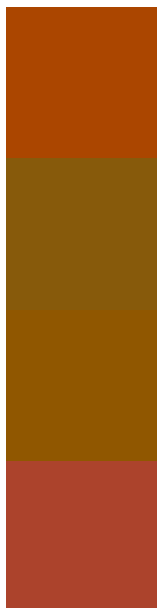
13.2165, 0.4694, 0.4655



Tritanopia

13.0945, 0.5001, 0.3242

Trichromacy



Original Color

13.0382, 0.5660, 0.3887

Protanomaly

12.4874, 0.4861, 0.4428

Deuteranomaly

12.7457, 0.5083, 0.4346

Tritanomaly

12.9668, 0.5365, 0.3572

Monochromacy



Original Color

13.0382, 0.5660, 0.3887

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7214, 0.4208, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0382, 0.5660, 0.3887 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(171, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 70, 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(171, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 70, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0382, 0.5660, 0.3887 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(171, 70, 0) }
```

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

```
.border{ border-color:rgb(171, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 70, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0382, 0.5660, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 70, 0) }
```

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

```
.background{ background-color: rgb(171, 70,  
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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