

Converting Colors

$Y_{xy}(13.8822, 0.5532, 0.3990)$

Have a look what the booklet for
Yxy(13.8822, 0.5532, 0.3990)
contains.

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Color

Yxy(13.8538, 0.5535, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	AA4D00
RGB	170, 77, 0
RGB Percent	67%, 30%, 0%
CMY	0.3333, 0.6980, 0.9999
CMYK	0.00, 0.55, 1.00, 0.33
HSL	27°, 100%, 33%
HSV	27°, 100%, 67%
XYZ	19.2327, 13.8538, 1.6609
YIQ	96.0290, 80.1450, -4.2310

Conversions

Conversions Part 2

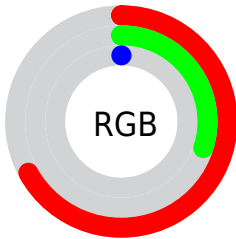
Format	Color
RYB	170, 141, 0
Decimal	11160832
CIELab	44.02, 34.82, 53.89
CIElCh	44, 64.159, 57.127
Yxy	13.8538, 0.5535, 0.3987
Android (android.graphics.Color)	4289350912 (0xFFAA4D00)
YUV	96.0290, -47.3423, 64.8726
Hunter-Lab	37.2207, 27.0984, 23.4087

Details

The Yxy color **13.8538, 0.5535, 0.3987** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7366, 0.1819, 0.1748**, and the grayscale version is **11.8082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8996, 0.5043, 0.3973**, and **4.1455, 0.5989, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **13.8528, 0.5535, 0.3987**, and if you desaturate by 10%, it is **15.2912, 0.5307, 0.4051**.

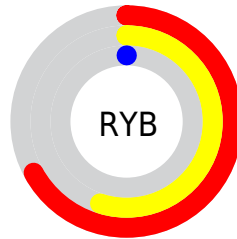
Distribution



Red (67%)

Green (30%)

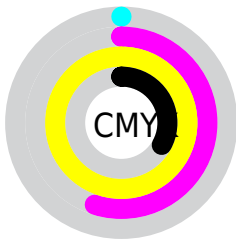
Blue (0%)



Red (67%)

Yellow (55%)

Blue (0%)

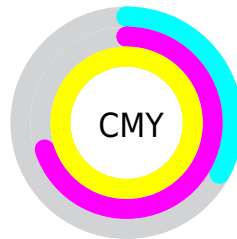


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8538, 0.5535, 0.3987 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 13.8538, 0.5535, 0.3987 by changing the saturation by 10% instead.


 13.8538, 0.5535,
0.3987


 13.8538, 0.5535,
0.3987


 216.3194, 0.4194,
0.3770


 8.0191, 0.5885,
0.3951


 32.8294, 0.5044,
0.3976


 4.1071, 0.6227,
0.3773

 46.7390, 0.4856,
0.3948


 1.7337, 0.6602,
0.3398

 64.1091, 0.4699,
0.3916

 0.4453, 0.7521,
0.2479

 85.3239, 0.4565,
0.3883


 0.0000, 1.0000,
0.0000

 110.7680, 0.4451,
0.3852


 0.0000, 0.0000,
0.0000


 140.8257, 0.4353,

0.3822


 175.8813, 0.4268,
0.3795

 13.8538, 0.5535,
0.3987

 13.8538, 0.5535,
0.3987

 13.8528, 0.5535,
0.3987

 15.2912, 0.5307,
0.4051

 16.9560, 0.5045,
0.4071

 18.8700, 0.4758,
0.4041

 21.0460, 0.4465,
0.3971

 23.4957, 0.4182,
0.3873

■ 26.2301, 0.3919,
0.3760

■ 29.2591, 0.3681,
0.3639

■ 32.5923, 0.3471,
0.3518

■ 36.2386, 0.3287,
0.3401

Harmonies

Analogous

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



13.8538, 0.5522, 0.3194



13.8538, 0.5535, 0.3987



13.8538, 0.4821, 0.4888

Triad

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



13.8538, 0.5535, 0.3987



13.8538, 0.1690, 0.4175



13.8538, 0.2055, 0.1568

Complementary

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



13.8538, 0.5535, 0.3987



10.7366, 0.1819, 0.1748

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.



13.8538, 0.1400, 0.1530



13.8538, 0.5535, 0.3987



13.8538, 0.1200, 0.2668

Square

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



13.8538, 0.5535, 0.3987



13.8538, 0.2636, 0.5587



13.8538, 0.1131, 0.1837



13.8538, 0.3178, 0.1895

Rectangle

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



13.8538, 0.5535, 0.3987



13.8538, 0.4135, 0.5462



13.8538, 0.1131, 0.1837



13.8538, 0.1787, 0.1522

Sweetspot

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



13.8546, 0.5535, 0.3987



52.7624, 0.3694, 0.3646



9.3467, 0.4736, 0.2383



11.2524, 0.3788, 0.3695



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.



13.8546, 0.5535, 0.3987



24.7097, 0.5564, 0.3964



34.2143, 0.4282, 0.4982



8.0809, 0.3275, 0.3393



10.2981, 0.5517, 0.4001



0.3535, 0.4976, 0.4431

Inverse Universe

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



10.7366, 0.1819, 0.1748



19.0345, 0.1811, 0.1719



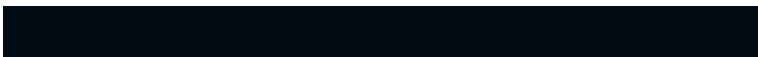
3.0877, 0.1510, 0.0634



7.9552, 0.2987, 0.3185



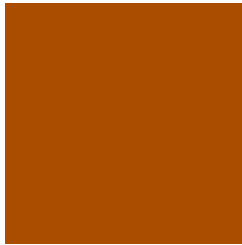
8.0085, 0.1824, 0.1765



0.2950, 0.1978, 0.2322

Previews

White Background



This preview shows how the Yxy color 13.8538, 0.5535, 0.3987 looks on a white background.

Color Contrast Check

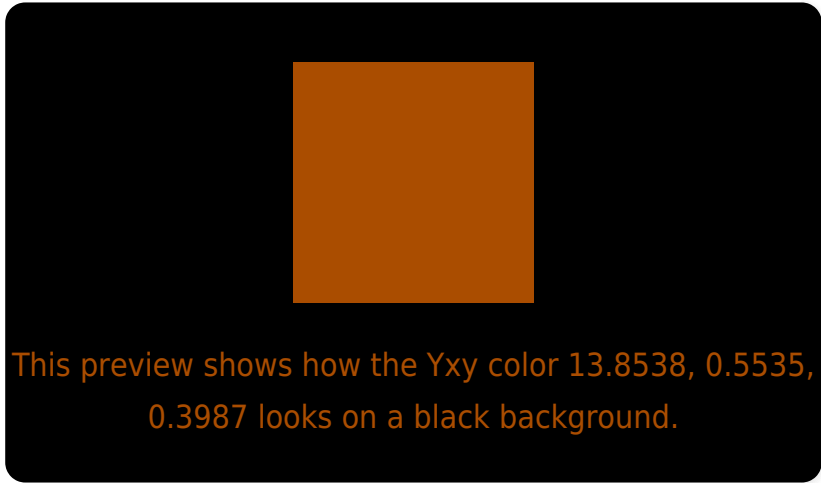
Large Text (above 18pt) WCAG AA ✓ Pass

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

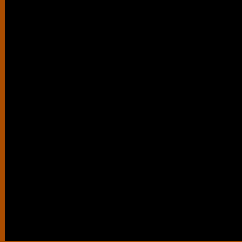
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8538, 0.5535, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 13.8538, 0.5535, 0.3987.



This preview shows how white text looks on a background with the Yxy color 13.8538, 0.5535, 0.3987.

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

13.8538, 0.5535, 0.3987

Protanopia

13.9921, 0.4330, 0.4803

Deuteranopia

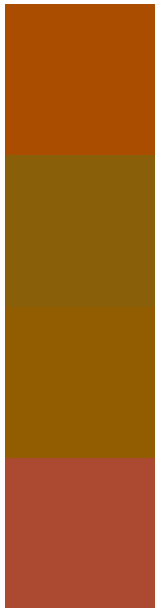
14.0199, 0.4682, 0.4664



Tritanopia

13.9272, 0.4799, 0.3239

Trichromacy



Original Color

13.8538, 0.5535, 0.3987

Protanomaly

13.5247, 0.4801, 0.4490

Deuteranomaly

13.7653, 0.5014, 0.4401

Tritanomaly

13.7689, 0.5210, 0.3627

Monochromacy



Original Color

13.8538, 0.5535, 0.3987

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6926, 0.4155, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8538, 0.5535, 0.3987 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(170, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 77, 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(170, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8538, 0.5535, 0.3987 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(170, 77, 0) }
```

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

```
.border{ border-color:rgb(170, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8538, 0.5535, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 0) }
```

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

```
.background{ background-color: rgb(170, 77,  
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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