

Converting Colors

$Y_{xy}(13.0712, 0.5094, 0.4906)$

Have a look what the booklet for
Yxy(13.0712, 0.5094, 0.4906)
contains.

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Color

Yxy(13.2528, 0.4801, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	865F00
RGB	134, 95, 0
RGB Percent	53%, 37%, 0%
CMY	0.4745, 0.6274, 1.0000
CMYK	0.00, 0.29, 1.00, 0.47
HSL	43°, 100%, 26%
HSV	43°, 100%, 53%
XYZ	13.9227, 13.2528, 1.8241
YIQ	95.8310, 53.7390, -21.2770

Conversions

Conversions Part 2

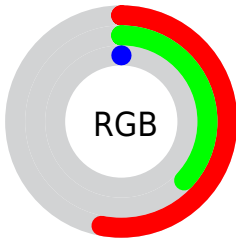
Format	Color
R_{YB}	55, 134, 0
Decimal	8806144
CIE Lab	43.14, 8.65, 50.79
CIE LCh	43, 51.525, 80.335
Yxy	13.2528, 0.4801, 0.4570
Android (android.graphics.Color)	4286996224 (0xFF865F00)
YUV	95.8310, -47.2447, 33.4742
Hunter-Lab	36.4044, 4.5588, 22.5123

Details

The Yxy color **13.2528, 0.4801, 0.4570** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1709, 0.1617, 0.1020**, and the grayscale version is **11.7615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6429, 0.4464, 0.4360**, and **3.8589, 0.4969, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **13.2535, 0.4801, 0.4570**, and if you desaturate by 10%, it is **14.0036, 0.4677, 0.4561**.

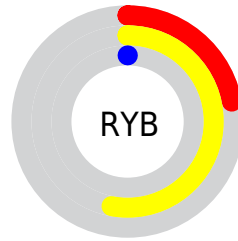
Distribution



Red (53%)

Green (37%)

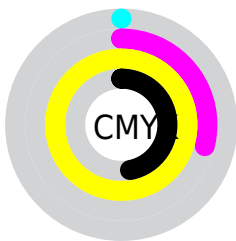
Blue (0%)



Red (22%)

Yellow (53%)

Blue (0%)

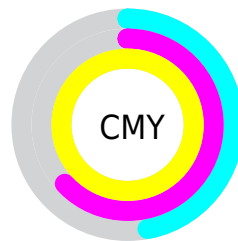


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (63%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2528, 0.4801, 0.4570 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 13.2528, 0.4801, 0.4570 by changing the saturation by 10% instead.


 13.2528, 0.4801,
0.4570


 13.2528, 0.4801,
0.4570


 212.5315, 0.3877,
0.3918


 7.6029, 0.5031,
0.4695


 31.7572, 0.4467,
0.4359


 3.8419, 0.5248,
0.4752

 45.3805, 0.4337,
0.4268

 1.5855, 0.5372,
0.4628

 62.4303, 0.4228,
0.4189

 0.3478, 0.6090,
0.3910


 83.2910, 0.4135,
0.4119

 0.0000, 0.0000,
0.0000

 108.3472, 0.4056,
0.4059


 137.9830, 0.3988,

0.4006

 172.5830, 0.3929,
0.3960


 13.2528, 0.4801,
0.4570

 13.2528, 0.4801,
0.4570

 13.2535, 0.4801,
0.4570

 14.0036, 0.4677,
0.4561

 14.8075, 0.4534,
0.4519

 15.6757, 0.4368,
0.4434

 16.6122, 0.4185,
0.4311

 17.6204, 0.3994,
0.4160

■ 18.7034, 0.3803,
0.3991

■ 19.8639, 0.3617,
0.3814

■ 21.1046, 0.3441,
0.3634

■ 22.4279, 0.3277,
0.3459

Harmonies

Analogous

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



13.2528, 0.5228, 0.3822



13.2528, 0.4801, 0.4570



13.2528, 0.3973, 0.5201

Triad

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



13.2528, 0.4801, 0.4570



13.2528, 0.1545, 0.3053



13.2528, 0.2942, 0.2006

Complementary

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



13.2528, 0.4801, 0.4570



3.1709, 0.1617, 0.1020

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.



13.2528, 0.2062, 0.1770



13.2528, 0.4801, 0.4570



13.2528, 0.1382, 0.2200

Square

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



13.2528, 0.4801, 0.4570



13.2528, 0.2101, 0.4306



13.2528, 0.1553, 0.1812



13.2528, 0.4068, 0.2482

Rectangle

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



13.2528, 0.4801, 0.4570



13.2528, 0.3325, 0.5327



13.2528, 0.1553, 0.1812



13.2528, 0.2609, 0.1898

Sweetspot

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



13.2535, 0.4801, 0.4570



34.8642, 0.3629, 0.3826



5.2221, 0.5697, 0.2912



7.6872, 0.3694, 0.3890



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



13.2535, 0.4801, 0.4570



23.0839, 0.4817, 0.4557



20.1854, 0.3853, 0.5323



5.2003, 0.3263, 0.3443



12.4412, 0.4799, 0.4572



0.0557, 0.4471, 0.4832

Inverse Universe

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



3.1709, 0.1617, 0.1020



5.3523, 0.1607, 0.0984



1.9512, 0.1617, 0.0664



4.7491, 0.2992, 0.3132



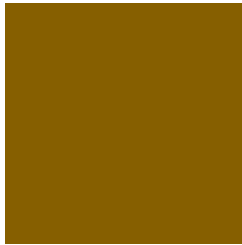
2.9888, 0.1618, 0.1024



0.0217, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 13.2528, 0.4801, 0.4570 looks on a white background.

Color Contrast Check

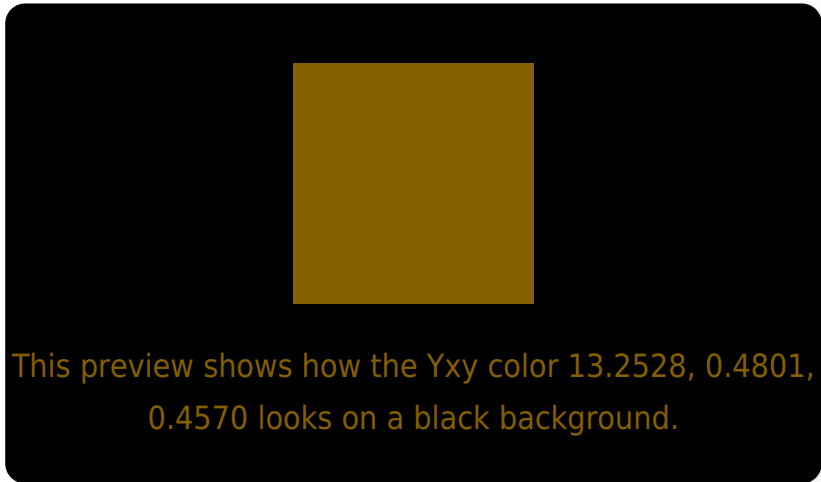
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2528, 0.4801, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 13.2528, 0.4801, 0.4570.



This preview shows how white text looks on a background with the Yxy color 13.2528, 0.4801, 0.4570.

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

13.2528, 0.4801, 0.4570

Protanopia

13.4310, 0.4365, 0.4847

Deuteranopia

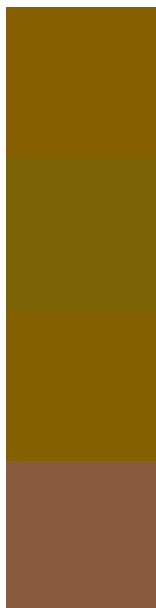
13.2165, 0.4694, 0.4655



Tritanopia

13.2089, 0.3839, 0.3162

Trichromacy



Original Color

13.2528, 0.4801, 0.4570

Protanomaly

13.3363, 0.4533, 0.4740

Deuteranomaly

13.1910, 0.4741, 0.4618

Tritanomaly

13.1268, 0.4371, 0.3858

Monochromacy



Original Color

13.2528, 0.4801, 0.4570

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0177, 0.3870, 0.4059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2528, 0.4801, 0.4570 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(134, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 95, 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(134, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2528, 0.4801, 0.4570 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(134, 95, 0) }
```

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

```
.border{ border-color:rgb(134, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2528, 0.4801, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 95, 0) }
```

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

```
.background{ background-color: rgb(134, 95,  
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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