

Converting Colors

$Y_{xy}(13.4638, 0.5087, 0.4534)$

Have a look what the booklet for
Yxy(13.4638, 0.5087, 0.4534)
contains.

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Color

Yxy(13.5836, 0.4989, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	905C00
RGB	144, 92, 0
RGB Percent	56%, 36%, 0%
CMY	0.4353, 0.6392, 1.0000
CMYK	0.00, 0.36, 1.00, 0.44
HSL	38°, 100%, 28%
HSV	38°, 100%, 56%
XYZ	15.3288, 13.5836, 1.8128
YIQ	97.0600, 60.5240, -17.5880

Conversions

Conversions Part 2

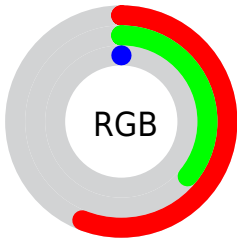
Format	Color
RYB	81, 144, 0
Decimal	9460736
CIELab	43.63, 15.14, 51.74
CIELCh	44, 53.909, 73.693
Yxy	13.5836, 0.4989, 0.4421
Android (android.graphics.Color)	4287650816 (0xFF905C00)
YUV	97.0600, -47.8506, 41.1664
Hunter-Lab	36.8559, 9.7422, 22.8829

Details

The Yxy color **13.5836, 0.4989, 0.4421** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.4694, 0.1663, 0.1187**, and the grayscale version is **12.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3583, 0.4618, 0.4259**, and **4.0287, 0.5240, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **13.5844, 0.4989, 0.4421**, and if you desaturate by 10%, it is **14.5493, 0.4837, 0.4432**.

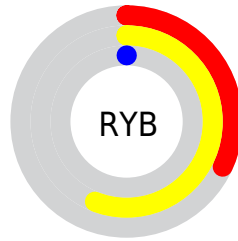
Distribution



Red (56%)

Green (36%)

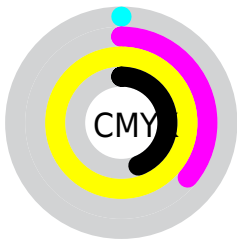
Blue (0%)



Red (32%)

Yellow (56%)

Blue (0%)

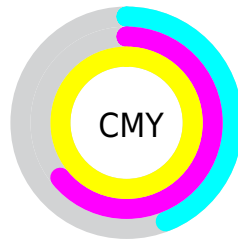


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (64%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5836, 0.4989, 0.4421 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 13.5836, 0.4989, 0.4421 by changing the saturation by 10% instead.


 13.5836, 0.4989,
0.4421


 13.5836, 0.4989,
0.4421

 214.6248, 0.3957,
0.3883


 7.8316, 0.5250,
0.4499


 32.3483, 0.4613,
0.4264


 3.9874, 0.5508,
0.4492

 46.1299, 0.4468,
0.4189

 1.6665, 0.5708,
0.4292

 63.3568, 0.4347,
0.4122

 0.4018, 0.6516,
0.3484


 84.4134, 0.4244,
0.4062


 0.0000, 0.0000,
0.0000


 109.6841, 0.4156,
0.4009

 139.5533, 0.4080,

0.3962


 174.4054, 0.4014,
0.3920


 13.5836, 0.4989,
0.4421


 13.5836, 0.4989,
0.4421

 13.5844, 0.4989,
0.4421

 14.5493, 0.4837,
0.4432

 15.5994, 0.4664,
0.4406

 16.7469, 0.4468,
0.4334

 17.9971, 0.4258,
0.4224

 19.3548, 0.4043,
0.4087

■ 20.8239, 0.3834,
0.3931

■ 22.4085, 0.3634,
0.3768

■ 24.1121, 0.3449,
0.3604

■ 25.9382, 0.3280,
0.3443

Harmonies

Analogous

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



13.5836, 0.5310, 0.3657



13.5836, 0.4989, 0.4421



13.5836, 0.4196, 0.5143

Triad

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



13.5836, 0.4989, 0.4421



13.5836, 0.1585, 0.3304



13.5836, 0.2700, 0.1893

Complementary

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



13.5836, 0.4989, 0.4421



4.4694, 0.1663, 0.1187

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.



13.5836, 0.1881, 0.1711



13.5836, 0.4989, 0.4421



13.5836, 0.1339, 0.2308

Square

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



13.5836, 0.4989, 0.4421



13.5836, 0.2242, 0.4631



13.5836, 0.1443, 0.1821



13.5836, 0.3839, 0.2330

Rectangle

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



13.5836, 0.4989, 0.4421



13.5836, 0.3543, 0.5403



13.5836, 0.1443, 0.1821



13.5836, 0.2383, 0.1802

Sweetspot

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



13.5844, 0.4989, 0.4421



39.3448, 0.3646, 0.3778



6.1846, 0.5463, 0.2783



8.7760, 0.3720, 0.3840



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.5844, 0.4989, 0.4421



23.6357, 0.5009, 0.4405



24.2919, 0.3965, 0.5234



5.9623, 0.3267, 0.3430



11.8748, 0.4983, 0.4425



0.1555, 0.4559, 0.4762

Inverse Universe

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



4.4694, 0.1663, 0.1187



7.5917, 0.1653, 0.1152



2.1541, 0.1562, 0.0634



5.5539, 0.2990, 0.3146



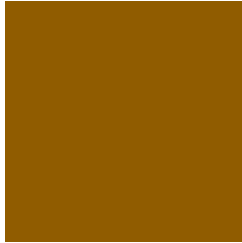
3.9335, 0.1666, 0.1197



0.0767, 0.1895, 0.2023

Previews

White Background



This preview shows how the Yxy color 13.5836, 0.4989, 0.4421 looks on a white background.

Color Contrast Check

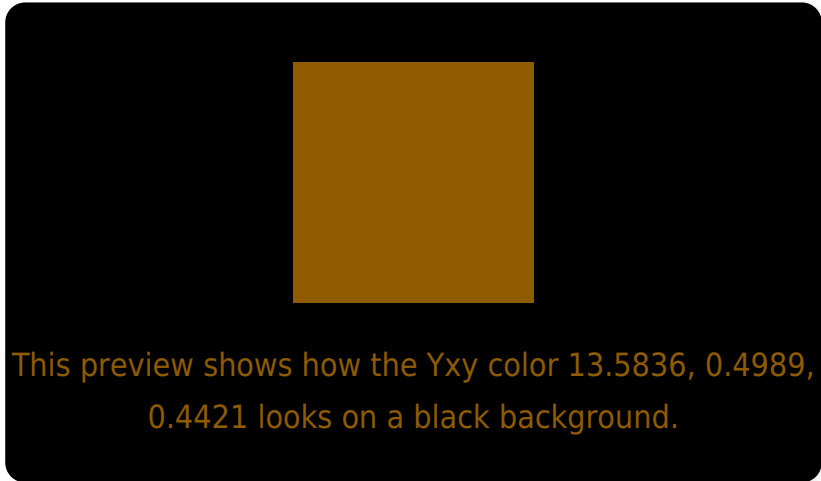
Large Text (above 18pt) WCAG AA ✓ Pass

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

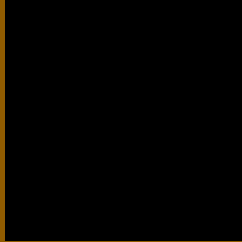
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5836, 0.4989, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 13.5836, 0.4989, 0.4421.



This preview shows how white text looks on a background with the Yxy color 13.5836, 0.4989, 0.4421.

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

13.5836, 0.4989, 0.4421

Protanopia

13.7045, 0.4357, 0.4838

Deuteranopia

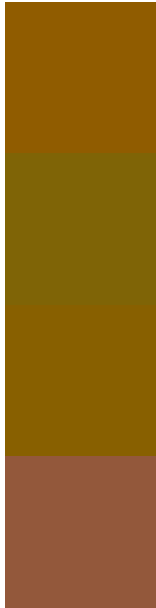
13.5607, 0.4704, 0.4647



Tritanopia

13.7242, 0.4059, 0.3188

Trichromacy



Original Color

13.5836, 0.4989, 0.4421

Protanomaly

13.6395, 0.4588, 0.4690

Deuteranomaly

13.6000, 0.4810, 0.4563

Tritanomaly

13.4983, 0.4570, 0.3782

Monochromacy



Original Color

13.5836, 0.4989, 0.4421

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1096, 0.3931, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5836, 0.4989, 0.4421 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(144, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 92, 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(144, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5836, 0.4989, 0.4421 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(144, 92, 0) }
```

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

```
.border{ border-color:rgb(144, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(144, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5836, 0.4989, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 92, 0) }
```

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

```
.background{ background-color: rgb(144, 92,  
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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