

Converting Colors

$Y_{xy}(13.3015, 0.5796, 0.4192)$

Have a look what the booklet for
Yxy(13.3015, 0.5796, 0.4192)
contains.

Yxy(13.4937, 0.5535, 0.3987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4937, 0.5535, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	A84C00
RGB	168, 76, 0
RGB Percent	66%, 30%, 0%
CMY	0.3412, 0.7019, 0.9999
CMYK	0.00, 0.55, 1.00, 0.34
HSL	27°, 100%, 33%
HSV	27°, 100%, 66%
XYZ	18.7328, 13.4937, 1.6178
YIQ	94.8440, 79.2280, -4.1320

Conversions

Conversions Part 2

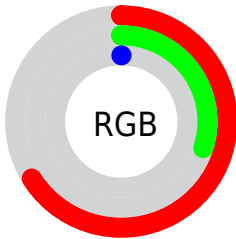
Format	Color
RYB	168, 139, 0
Decimal	11029504
CIELab	43.50, 34.52, 53.41
CIElCh	43, 63.599, 57.127
Yxy	13.4937, 0.5535, 0.3987
Android (android.graphics.Color)	4289219584 (0xFFA84C00)
YUV	94.8440, -46.7581, 64.1578
Hunter-Lab	36.7338, 26.7439, 23.1025

Details

The Yxy color **13.4937, 0.5535, 0.3987** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.4839, 0.1820, 0.1751**, and the grayscale version is **11.5055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2971, 0.5044, 0.3977**, and **3.9720, 0.5996, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **13.4927, 0.5535, 0.3987**, and if you desaturate by 10%, it is **14.8942, 0.5306, 0.4050**.

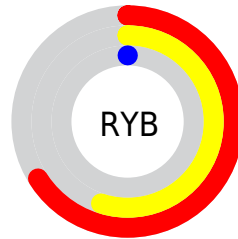
Distribution



Red (66%)

Green (30%)

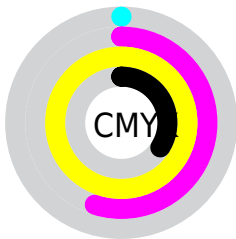
Blue (0%)



Red (66%)

Yellow (55%)

Blue (0%)

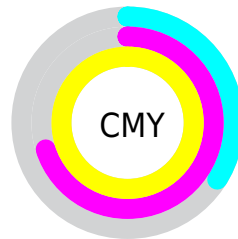


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (70%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4937, 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 13.4937, 0.5535, 0.3987 by changing the saturation by 10% instead.

 13.4937, 0.5535,
0.3987


 13.4937, 0.5535,
0.3987


 214.0579, 0.4188,
0.3768


 7.7694, 0.5892,
0.3953


 32.1879, 0.5040,
0.3976


 3.9477, 0.6232,
0.3768

 45.9266, 0.4852,
0.3947


 1.6444, 0.6615,
0.3385

 63.1056, 0.4693,
0.3915

 0.3872, 0.7660,
0.2340

 84.1092, 0.4560,
0.3882


 0.0000, 1.0000,
0.0000

 109.3218, 0.4446,
0.3850

 0.0000, 0.0000,
0.0000

 139.1279, 0.4348,


0.3821


 173.9118, 0.4263,
0.3793


 13.4937, 0.5535,
0.3987


 13.4937, 0.5535,
0.3987

 13.4927, 0.5535,
0.3987

 14.8942, 0.5306,
0.4050

 16.5160, 0.5044,
0.4070

 18.3804, 0.4757,
0.4040

 20.5000, 0.4464,
0.3970

 22.8862, 0.4181,
0.3872

■ 25.5495, 0.3918,
0.3759

■ 28.4996, 0.3681,
0.3638

■ 31.7459, 0.3471,
0.3517

■ 35.2971, 0.3287,
0.3400

Harmonies

Analogous

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



13.4937, 0.5522, 0.3194



13.4937, 0.5535, 0.3987



13.4937, 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.



13.4937, 0.5535, 0.3987



13.4937, 0.1690, 0.4175



13.4937, 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.



13.4937, 0.5535, 0.3987



10.4839, 0.1820, 0.1751

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.



13.4937, 0.1400, 0.1530



13.4937, 0.5535, 0.3987



13.4937, 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.



13.4937, 0.5535, 0.3987



13.4937, 0.2636, 0.5587



13.4937, 0.1131, 0.1837



13.4937, 0.3178, 0.1895

Rectangle

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



13.4937, 0.5535, 0.3987



13.4937, 0.4135, 0.5462



13.4937, 0.1131, 0.1837



13.4937, 0.1787, 0.1522

Sweetspot

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



13.4945, 0.5535, 0.3987



51.4020, 0.3693, 0.3645



9.1050, 0.4735, 0.2382



10.7217, 0.3786, 0.3694



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.4945, 0.5535, 0.3987



24.0684, 0.5564, 0.3964



33.3276, 0.4282, 0.4982



8.0803, 0.3275, 0.3392



10.2893, 0.5519, 0.4000



0.3533, 0.4977, 0.4430

Inverse Universe

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



10.4839, 0.1820, 0.1751



18.5871, 0.1812, 0.1722



3.0100, 0.1510, 0.0635



7.9559, 0.2987, 0.3185



8.0194, 0.1824, 0.1767



0.2953, 0.1979, 0.2323

Previews

White Background



This preview shows how the Yxy color 13.4937, 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



This preview shows how the Yxy color 13.4937, 0.5535, 0.3987 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 13.4937, 0.5535, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 13.4937, 0.5535, 0.3987.



This preview shows how white text looks on a background with the Yxy color 13.4937, 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

13.4937, 0.5535, 0.3987

Protanopia

13.7199, 0.4331, 0.4800

Deuteranopia

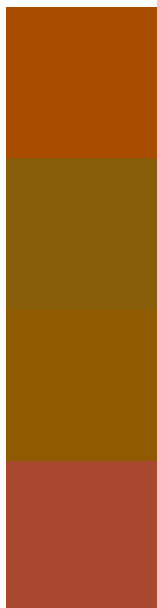
13.5607, 0.4704, 0.4647



Tritanopia

13.5605, 0.4800, 0.3238

Trichromacy



Original Color

13.4937, 0.5535, 0.3987

Protanomaly

13.2616, 0.4806, 0.4485

Deuteranomaly

13.2416, 0.5026, 0.4391

Tritanomaly

13.4135, 0.5202, 0.3619

Monochromacy



Original Color

13.4937, 0.5535, 0.3987

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4433, 0.4165, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4937, 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(168, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 76, 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(168, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4937, 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(168, 76, 0) }
```

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

```
.border{ border-color:rgb(168, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4937, 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(168, 76, 0) }
```

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

```
.background{ background-color: rgb(168, 76,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor