

Converting Colors

$Y_{xy}(13.5907, 0.5520, 0.4297)$

Have a look what the booklet for
Yxy(13.5907, 0.5520, 0.4297)
contains.

Yxy(13.7636, 0.5347, 0.4136)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7636, 0.5347, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	A15300
RGB	161, 83, 0
RGB Percent	63%, 33%, 0%
CMY	0.3686, 0.6745, 0.9998
CMYK	0.00, 0.48, 1.00, 0.37
HSL	31°, 100%, 32%
HSV	31°, 100%, 63%
XYZ	17.7935, 13.7636, 1.7205
YIQ	96.8600, 73.1310, -9.2770

Conversions

Conversions Part 2

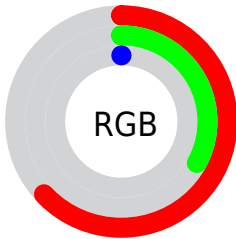
Format	Color
RYB	151, 161, 0
Decimal	10572544
CIELab	43.89, 27.87, 53.08
CIElCh	44, 59.950, 62.292
Yxy	13.7636, 0.5347, 0.4136
Android (android.graphics.Color)	4288762624 (0xFFA15300)
YUV	96.8600, -47.7520, 56.2508
Hunter-Lab	37.0993, 20.6880, 23.2200

Details

The Yxy color **13.7636, 0.5347, 0.4136** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0340, 0.1763, 0.1545**, and the grayscale version is **12.0258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6101, 0.4903, 0.4071**, and **4.0865, 0.5730, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **13.7597, 0.5348, 0.4136**, and if you desaturate by 10%, it is **15.0643, 0.5143, 0.4183**.

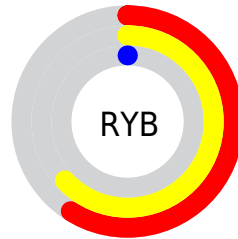
Distribution



Red (63%)

Green (33%)

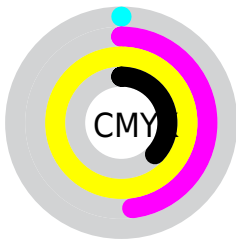
Blue (0%)



Red (59%)

Yellow (63%)

Blue (0%)

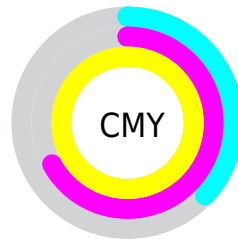


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7636, 0.5347, 0.4136 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 13.7636, 0.5347, 0.4136 by changing the saturation by 10% instead.


 13.7636, 0.5347,
0.4136


 13.7636, 0.5347,
0.4136


 215.7552, 0.4110,
0.3809


 7.9564, 0.5668,
0.4137


 32.6690, 0.4893,
0.4076


 4.0671, 0.5987,
0.4013

 46.5360, 0.4720,
0.4032

 1.7112, 0.6311,
0.3689

 63.8584, 0.4575,
0.3988

 0.4309, 0.7213,
0.2787

 85.0206, 0.4452,
0.3946


 0.0000, 1.0000,
0.0000


 110.4070, 0.4347,
0.3907


 0.0000, 0.0000,
0.0000

 140.4019, 0.4257,

0.3871


 175.3899, 0.4178,
0.3839


 13.7636, 0.5347,
0.4136


 13.7636, 0.5347,
0.4136


 13.7597, 0.5348,
0.4136

 15.0643, 0.5143,
0.4183

 16.5331, 0.4912,
0.4188

 18.1875, 0.4656,
0.4143

 20.0369, 0.4392,
0.4059

 22.0897, 0.4133,
0.3947

■ 24.3537, 0.3889,
0.3819

■ 26.8360, 0.3665,
0.3683

■ 29.5434, 0.3463,
0.3547

■ 32.4823, 0.3284,
0.3415

Harmonies

Analogous

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



13.7636, 0.5452, 0.3350



13.7636, 0.5347, 0.4136



13.7636, 0.4610, 0.4988

Triad

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



13.7636, 0.5347, 0.4136



13.7636, 0.1658, 0.3851



13.7636, 0.2266, 0.1679

Complementary

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



13.7636, 0.5347, 0.4136



8.0340, 0.1763, 0.1545

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.



13.7636, 0.1558, 0.1594



13.7636, 0.5347, 0.4136



13.7636, 0.1252, 0.2537

Square

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



13.7636, 0.5347, 0.4136



13.7636, 0.2508, 0.5263



13.7636, 0.1237, 0.1834



13.7636, 0.3402, 0.2043

Rectangle

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



13.7636, 0.5347, 0.4136



13.7636, 0.3941, 0.5468



13.7636, 0.1237, 0.1834



13.7636, 0.1982, 0.1618

Sweetspot

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



13.7643, 0.5347, 0.4136



47.7741, 0.3678, 0.3691



8.1669, 0.4937, 0.2493



10.0848, 0.3764, 0.3745



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.7643, 0.5347, 0.4136



24.2410, 0.5374, 0.4115



33.0729, 0.4193, 0.5052



7.6613, 0.3273, 0.3406



11.0695, 0.5336, 0.4145



0.3268, 0.4825, 0.4551

Inverse Universe

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



8.0340, 0.1763, 0.1545



13.9851, 0.1754, 0.1513



2.5754, 0.1500, 0.0600



7.4001, 0.2987, 0.3171



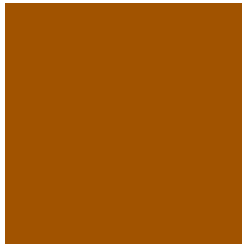
6.4926, 0.1767, 0.1559



0.2310, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 13.7636, 0.5347, 0.4136 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 13.7636, 0.5347, 0.4136 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 13.7636, 0.5347, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 13.7636, 0.5347, 0.4136.



This preview shows how white text looks on a background with the Yxy color 13.7636, 0.5347, 0.4136.

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

13.7636, 0.5347, 0.4136

Protanopia

13.9864, 0.4340, 0.4816

Deuteranopia

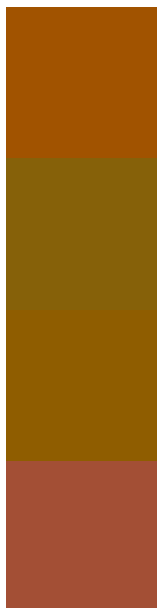
13.8292, 0.4700, 0.4650



Tritanopia

13.8248, 0.4523, 0.3202

Trichromacy



Original Color

13.7636, 0.5347, 0.4136

Protanomaly

13.6374, 0.4728, 0.4555

Deuteranomaly

13.6683, 0.4958, 0.4446

Tritanomaly

13.6355, 0.4984, 0.3665

Monochromacy



Original Color

13.7636, 0.5347, 0.4136

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9952, 0.4059, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7636, 0.5347, 0.4136 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(161, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 83, 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(161, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7636, 0.5347, 0.4136 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(161, 83, 0) }
```

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

```
.border{ border-color:rgb(161, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7636, 0.5347, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 83, 0) }
```

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

```
.background{ background-color: rgb(161, 83,  
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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