

Converting Colors

$Y_{xy}(14.4369, 0.5096, 0.4336)$

Have a look what the booklet for
Yxy(14.4369, 0.5096, 0.4336)
contains.

Yxy(14.4266, 0.5097, 0.4335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.4266, 0.5097, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	995C00
RGB	153, 92, 0
RGB Percent	60%, 36%, 0%
CMY	0.4000, 0.6392, 1.0000
CMYK	0.00, 0.40, 1.00, 0.40
HSL	36°, 100%, 30%
HSV	36°, 100%, 60%
XYZ	16.9625, 14.4266, 1.8903
YIQ	99.7510, 65.8880, -15.6800

Conversions

Conversions Part 2

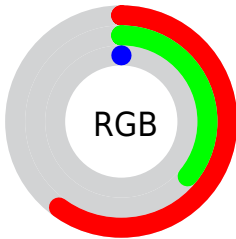
Format	Color
RYB	101, 153, 0
Decimal	10050560
CIELab	44.84, 19.27, 53.11
CIELCh	45, 56.496, 70.057
Yxy	14.4266, 0.5097, 0.4335
Android (android.graphics.Color)	4288240640 (0xFF995C00)
YUV	99.7510, -49.1772, 46.6994
Hunter-Lab	37.9824, 13.2469, 23.6370

Details

The Yxy color **14.4266, 0.5097, 0.4335** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6347, 0.1690, 0.1284**, and the grayscale version is **12.7929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6588, 0.4706, 0.4211**, and **4.4408, 0.5375, 0.4114** is the 20% darker color. If you saturate the color by 10%, you get **14.4274, 0.5097, 0.4335**, and if you desaturate by 10%, it is **15.5623, 0.4930, 0.4359**.

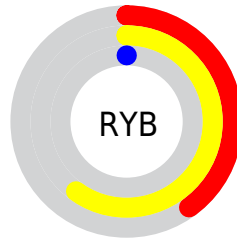
Distribution



Red (60%)

Green (36%)

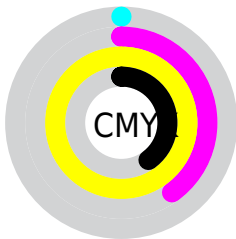
Blue (0%)



Red (40%)

Yellow (60%)

Blue (0%)

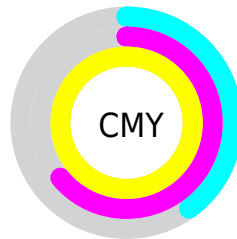


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4266, 0.5097, 0.4335 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 14.4266, 0.5097, 0.4335 by changing the saturation by 10% instead.


 14.4266, 0.5097,
0.4335


 14.4266, 0.5097,
0.4335


 219.8688, 0.4012,
0.3867


 8.4180, 0.5364,
0.4383


 33.8441, 0.4703,
0.4210

 4.3635, 0.5648,
0.4352

 48.0217, 0.4551,
0.4146

 1.8789, 0.5879,
0.4121

 65.6911, 0.4423,
0.4086

 0.5357, 0.6483,
0.3517

 87.2367, 0.4315,
0.4032


 0.0000, 0.0000,
0.0000


 113.0429, 0.4222,
0.3984


 143.4940, 0.4142,

0.3940


 178.9745, 0.4073,
0.3901


 14.4266, 0.5097,
0.4335


 14.4266, 0.5097,
0.4335


 14.4274, 0.5097,
0.4335

 15.5623, 0.4930,
0.4359

 16.8103, 0.4741,
0.4343

 18.1853, 0.4527,
0.4280

 19.6939, 0.4301,
0.4177

 21.3421, 0.4073,
0.4047

■ 23.1350, 0.3852,
0.3899

■ 25.0778, 0.3645,
0.3744

■ 27.1749, 0.3454,
0.3588

■ 29.4308, 0.3282,
0.3435

Harmonies

Analogous

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



14.4266, 0.5354, 0.3564



14.4266, 0.5097, 0.4335



14.4266, 0.4322, 0.5102

Triad

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



14.4266, 0.5097, 0.4335



14.4266, 0.1608, 0.3459



14.4266, 0.2565, 0.1828

Complementary

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



14.4266, 0.5097, 0.4335



5.6347, 0.1690, 0.1284

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.



14.4266, 0.1780, 0.1677



14.4266, 0.5097, 0.4335



14.4266, 0.1314, 0.2374

Square

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



14.4266, 0.5097, 0.4335



14.4266, 0.2324, 0.4821



14.4266, 0.1380, 0.1826



14.4266, 0.3707, 0.2243

Rectangle

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



14.4266, 0.5097, 0.4335



14.4266, 0.3667, 0.5433



14.4266, 0.1380, 0.1826



14.4266, 0.2258, 0.1747

Sweetspot

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



14.4274, 0.5097, 0.4335



44.7047, 0.3657, 0.3753



7.1103, 0.5343, 0.2717



9.5696, 0.3735, 0.3814



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



14.4274, 0.5097, 0.4335



25.4708, 0.5119, 0.4318



28.1557, 0.4021, 0.5189



6.8094, 0.3269, 0.3424



11.9922, 0.5088, 0.4342



0.2501, 0.4624, 0.4710

Inverse Universe

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



5.6347, 0.1690, 0.1284



9.7509, 0.1681, 0.1250



2.4036, 0.1540, 0.0622



6.4102, 0.2989, 0.3153



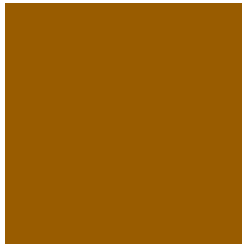
4.7196, 0.1694, 0.1297



0.1387, 0.1920, 0.2110

Previews

White Background



This preview shows how the Yxy color 14.4266, 0.5097, 0.4335 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 14.4266, 0.5097, 0.4335 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 14.4266, 0.5097, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 14.4266, 0.5097, 0.4335.



This preview shows how white text looks on a background with the Yxy color 14.4266, 0.5097, 0.4335.

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

14.4266, 0.5097, 0.4335

Protanopia

14.5350, 0.4347, 0.4834

Deuteranopia

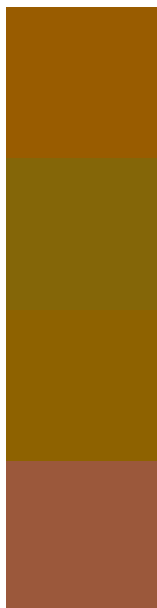
14.4583, 0.4706, 0.4646



Tritanopia

14.4962, 0.4179, 0.3194

Trichromacy



Original Color

14.4266, 0.5097, 0.4335

Protanomaly

14.4258, 0.4617, 0.4654

Deuteranomaly

14.4861, 0.4853, 0.4529

Tritanomaly

14.2638, 0.4682, 0.3752

Monochromacy



Original Color

14.4266, 0.5097, 0.4335

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8415, 0.3965, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4266, 0.5097, 0.4335 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(153, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.4266, 0.5097, 0.4335 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(153, 92, 0) }
```

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

```
.border{ border-color:rgb(153, 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(153, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4266, 0.5097, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 92, 0) }
```

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

```
.background{ background-color: rgb(153, 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](#).

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