

# Converting Colors

$Y_{xy}(14.2210, 0.5785, 0.4215)$

Have a look what the booklet for  
Yxy(14.2210, 0.5785, 0.4215)  
contains.

<b>Yxy(14.3626, 0.5518, 0.4001)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(14.3626, 0.5518, 0.4001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC4F00
RGB	172, 79, 0
RGB Percent	67%, 31%, 0%
CMY	0.3255, 0.6902, 1.0000
CMYK	0.00, 0.54, 1.00, 0.33
HSL	28°, 100%, 34%
HSV	28°, 100%, 67%
XYZ	19.8083, 14.3626, 1.7267
YIQ	97.8010, 80.7870, -4.8530

# Conversions

## Conversions Part 2

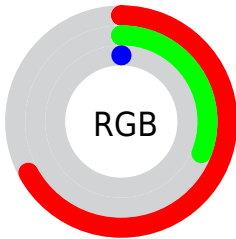
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 146, 0
Decimal	11292416
CIE <sub>Lab</sub>	44.75, 34.59, 54.49
CIE <sub>LCh</sub>	45, 64.545, 57.590
Yxy	14.3626, 0.5518, 0.4001
Android (android.graphics.Color)	4289482496 (0xFFAC4F00)
YUV	97.8010, -48.2159, 65.0725
Hunter-Lab	37.8980, 26.9755, 23.8273

# Details

The Yxy color **14.3626, 0.5518, 0.4001** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.8044, 0.1812, 0.1724**, and the grayscale version is **12.2701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7632, 0.5038, 0.3986**, and **4.3733, 0.5962, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **14.3635, 0.5518, 0.4001**, and if you desaturate by 10%, it is **15.8414, 0.5292, 0.4064**.

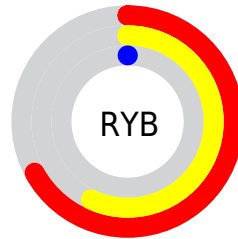
# Distribution



Red (67%)

Green (31%)

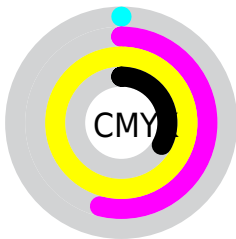
Blue (0%)



Red (67%)

Yellow (57%)

Blue (0%)

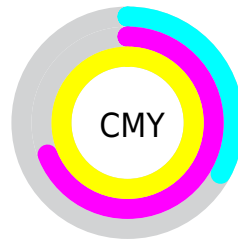


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (69%)

Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3626, 0.5518, 0.4001 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 14.3626, 0.5518, 0.4001 by changing the saturation by 10% instead.





 14.3626, 0.5518,  
0.4001


 14.3626, 0.5518,  
0.4001


 219.4751, 0.4194,  
0.3776


 8.3733, 0.5855,  
0.3965


 33.7310, 0.5035,  
0.3987


 4.3347, 0.6198,  
0.3802

 47.8790, 0.4850,  
0.3957


 1.8625, 0.6559,  
0.3441

 65.5152, 0.4694,  
0.3924

 0.5257, 0.7340,  
0.2660

 87.0241, 0.4562,  
0.3891


 0.0000, 1.0000,  
0.0000


 112.7902, 0.4450,  
0.3860


 0.0000, 0.0000,  
0.0000


 143.1978, 0.4352,

0.3830


 178.6313, 0.4268,  
0.3802


 14.3626, 0.5518,  
0.4001


 14.3626, 0.5518,  
0.4001

 14.3635, 0.5518,  
0.4001

 15.8414, 0.5292,  
0.4064

 17.5499, 0.5035,  
0.4083

 19.5101, 0.4751,  
0.4053

 21.7351, 0.4460,  
0.3981

 24.2367, 0.4179,  
0.3882

■ 27.0258, 0.3917,  
0.3767

■ 30.1124, 0.3681,  
0.3644

■ 33.5063, 0.3471,  
0.3521

■ 37.2165, 0.3287,  
0.3402

# Harmonies

## Analogous

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



14.3626, 0.5517, 0.3208



14.3626, 0.5518, 0.4001



14.3626, 0.4801, 0.4897

# Triad

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



14.3626, 0.5518, 0.4001



14.3626, 0.1686, 0.4144



14.3626, 0.2074, 0.1577

# Complementary

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



14.3626, 0.5518, 0.4001



10.8044, 0.1812, 0.1724

# 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.



14.3626, 0.1414, 0.1535



14.3626, 0.5518, 0.4001



14.3626, 0.1205, 0.2655

# Square

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



14.3626, 0.5518, 0.4001



14.3626, 0.2624, 0.5558



14.3626, 0.1141, 0.1836



14.3626, 0.3199, 0.1909



# Rectangle

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



14.3626, 0.5518, 0.4001



14.3626, 0.4118, 0.5465



14.3626, 0.1141, 0.1836



14.3626, 0.1804, 0.1530

# Sweetspot

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



14.3635, 0.5518, 0.4001



54.3170, 0.3693, 0.3651



9.5890, 0.4738, 0.2384



11.2970, 0.3786, 0.3701



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



14.3635, 0.5518, 0.4001



25.6285, 0.5546, 0.3979



35.1050, 0.4283, 0.4982



8.5988, 0.3275, 0.3395



10.7970, 0.5501, 0.4014



0.4105, 0.5008, 0.4406



# Inverse Universe

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



10.8044, 0.1812, 0.1724



19.1553, 0.1804, 0.1696



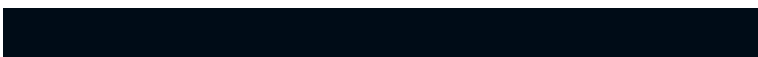
3.1650, 0.1510, 0.0634



8.4475, 0.2986, 0.3183



8.1516, 0.1817, 0.1741



0.3346, 0.1960, 0.2257



# Previews

## White Background



This preview shows how the Yxy color 14.3626, 0.5518, 0.4001 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 14.3626, 0.5518, 0.4001 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 14.3626, 0.5518, 0.4001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.3626, 0.5518, 0.4001.



This preview shows how white text looks on a background with the Yxy color 14.3626, 0.5518, 0.4001.

# 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

14.3626, 0.5518, 0.4001

### Protanopia

14.5459, 0.4330, 0.4808

### Deuteranopia

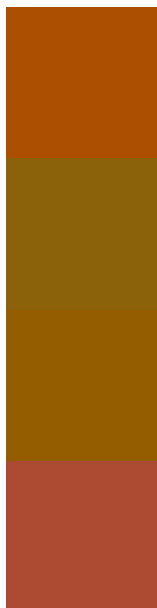
14.4583, 0.4706, 0.4646



## Tritanopia

14.3138, 0.4780, 0.3225

# Trichromacy



## Original Color

14.3626, 0.5518, 0.4001

## Protanomaly

14.0603, 0.4793, 0.4499

## Deuteranomaly

14.1246, 0.5020, 0.4396

## Tritanomaly

14.1467, 0.5192, 0.3614

# Monochromacy



## Original Color

14.3626, 0.5518, 0.4001

## Achromatopsia

12.2139, 0.3127, 0.3290

## Achromatomaly

12.1899, 0.4151, 0.3872

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.3626, 0.5518, 0.4001 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(172, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 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(172, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 14.3626, 0.5518, 0.4001 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(172, 79, 0) }
```

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

```
.border{ border-color:rgb(172, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 79, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 14.3626, 0.5518, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 0) }
```

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

```
.background{ background-color: rgb(172, 79,  
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