

Converting Colors

$Y_{xy}(14.4327, 0.5758, 0.4242)$

Have a look what the booklet for
Yxy(14.4327, 0.5758, 0.4242)
contains.

Yxy(14.5080, 0.5501, 0.4014)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5080, 0.5501, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	AC5000
RGB	172, 80, 0
RGB Percent	67%, 31%, 0%
CMY	0.3255, 0.6863, 0.9999
CMYK	0.00, 0.53, 1.00, 0.33
HSL	28°, 100%, 34%
HSV	28°, 100%, 67%
XYZ	19.8825, 14.5080, 1.7530
YIQ	98.3880, 80.5120, -5.3760

Conversions

Conversions Part 2

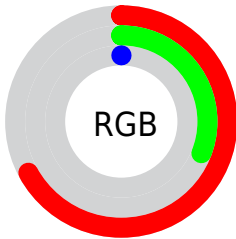
Format	Color
RYB	172, 150, 0
Decimal	11292672
CIELab	44.95, 34.08, 54.59
CIElCh	45, 64.357, 58.021
Yxy	14.5080, 0.5501, 0.4014
Android (android.graphics.Color)	4289482752 (0xFFAC5000)
YUV	98.3880, -48.5053, 64.5577
Hunter-Lab	38.0894, 26.5201, 23.9339

Details

The Yxy color **14.5080, 0.5501, 0.4014** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.6370, 0.1807, 0.1705**, and the grayscale version is **12.4257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0305, 0.5027, 0.3996**, and **4.4247, 0.5941, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **14.5069, 0.5501, 0.4014**, and if you desaturate by 10%, it is **15.9910, 0.5278, 0.4076**.

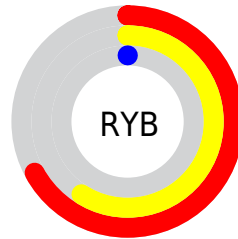
Distribution



Red (67%)

Green (31%)

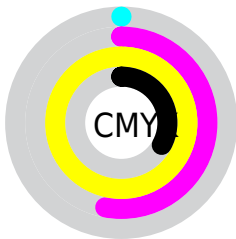
Blue (0%)



Red (67%)

Yellow (59%)

Blue (0%)

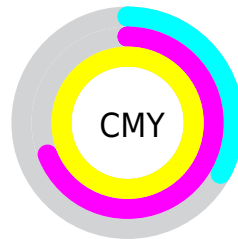


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (69%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5080, 0.5501, 0.4014 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 14.5080, 0.5501, 0.4014 by changing the saturation by 10% instead.

 14.5080, 0.5501,
0.4014


 14.5080, 0.5501,
0.4014


 220.3686, 0.4188,
0.3781


 8.4748, 0.5833,
0.3981


 33.9877, 0.5023,
0.3995


 4.4003, 0.6175,
0.3825

 48.2031, 0.4839,
0.3965

 1.8999, 0.6529,
0.3471

 65.9146, 0.4685,
0.3931

 0.5483, 0.7275,
0.2725

 87.5067, 0.4554,
0.3897


 0.0000, 1.0000,
0.0000


 113.3637, 0.4442,
0.3865


 0.0000, 0.0000,
0.0000


 143.8701, 0.4346,


0.3835


 179.4103, 0.4262,
0.3806


 14.5080, 0.5501,
0.4014

 14.5080, 0.5501,
0.4014

 14.5069, 0.5501,
0.4014

 15.9910, 0.5278,
0.4076

 17.7004, 0.5023,
0.4094

 19.6579, 0.4742,
0.4062

 21.8763, 0.4454,
0.3989

 24.3673, 0.4175,
0.3889

■ 27.1414, 0.3915,
0.3772

■ 30.2088, 0.3679,
0.3648

■ 33.5786, 0.3470,
0.3524

■ 37.2600, 0.3287,
0.3404

Harmonies

Analogous

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



14.5080, 0.5510, 0.3222



14.5080, 0.5501, 0.4014



14.5080, 0.4782, 0.4906

Triad

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



14.5080, 0.5501, 0.4014



14.5080, 0.1684, 0.4114



14.5080, 0.2092, 0.1588

Complementary

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



14.5080, 0.5501, 0.4014



10.6370, 0.1807, 0.1705

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.



14.5080, 0.1428, 0.1541



14.5080, 0.5501, 0.4014



14.5080, 0.1210, 0.2644

Square

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



14.5080, 0.5501, 0.4014



14.5080, 0.2613, 0.5530



14.5080, 0.1150, 0.1836



14.5080, 0.3218, 0.1922

Rectangle

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



14.5080, 0.5501, 0.4014



14.5080, 0.4101, 0.5465



14.5080, 0.1150, 0.1836



14.5080, 0.1821, 0.1539

Sweetspot

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



14.5088, 0.5501, 0.4014



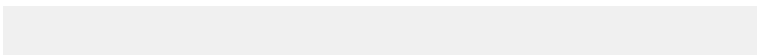
54.4806, 0.3692, 0.3655



9.5906, 0.4738, 0.2384



11.3360, 0.3785, 0.3706



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.



14.5088, 0.5501, 0.4014



25.8843, 0.5529, 0.3992



35.1089, 0.4283, 0.4982



8.6063, 0.3275, 0.3396



10.9031, 0.5485, 0.4027



0.4135, 0.4998, 0.4414

Inverse Universe

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



10.6370, 0.1807, 0.1705



18.8464, 0.1799, 0.1676



3.1660, 0.1510, 0.0634



8.4400, 0.2986, 0.3182



8.0247, 0.1812, 0.1721



0.3314, 0.1957, 0.2243

Previews

White Background



This preview shows how the Yxy color 14.5080, 0.5501, 0.4014 looks on a white background.

Color Contrast Check

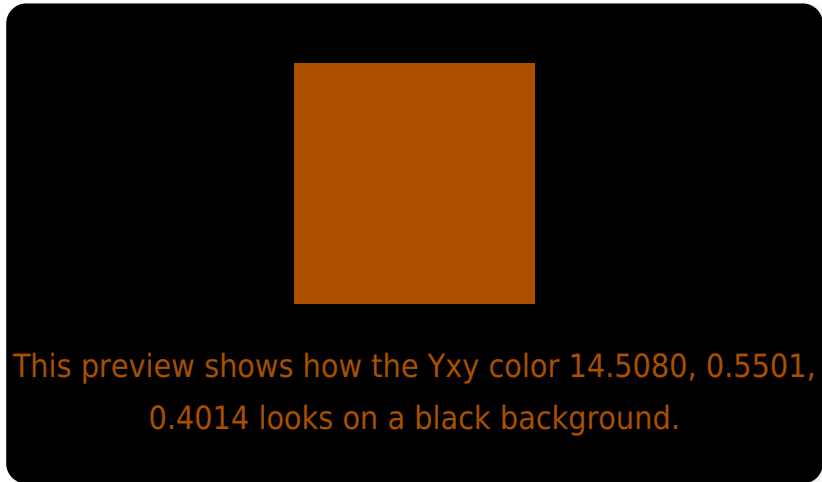
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5080, 0.5501, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 14.5080, 0.5501, 0.4014.



This preview shows how white text looks on a background with the Yxy color 14.5080, 0.5501, 0.4014.

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

14.5080, 0.5501, 0.4014

Protanopia

14.6177, 0.4344, 0.4798

Deuteranopia

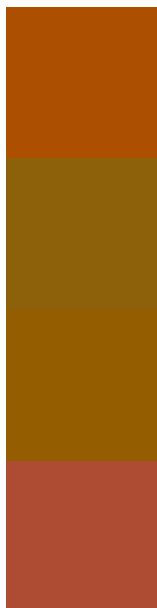
14.6536, 0.4688, 0.4660



Tritanopia

14.4607, 0.4754, 0.3225

Trichromacy



Original Color

14.5080, 0.5501, 0.4014

Protanomaly

14.1468, 0.4806, 0.4489

Deuteranomaly

14.3013, 0.5001, 0.4411

Tritanomaly

14.2834, 0.5179, 0.3627

Monochromacy



Original Color

14.5080, 0.5501, 0.4014

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 14.5080, 0.5501, 0.4014 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, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 80, 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, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.5080, 0.5501, 0.4014 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, 80, 0) }
```

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

```
.border{ border-color:rgb(172, 80, 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, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5080, 0.5501, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 80, 0) }
```

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

```
.background{ background-color: rgb(172, 80,  
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