

Converting Colors

$Y_{xy}(14.7606, 0.5302, 0.4018)$

Have a look what the booklet for
Yxy(14.7606, 0.5302, 0.4018)
contains.

Yxy(14.7160, 0.5307, 0.4017)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(14.7160, 0.5307, 0.4017)$

Conversions

Conversions Part 1

Format	Color
Hex	A85414
RGB	168, 84, 20
RGB Percent	66%, 33%, 8%
CMY	0.3413, 0.6705, 0.9217
CMYK	0.00, 0.50, 0.88, 0.34
HSL	26°, 79%, 37%
HSV	26°, 88%, 66%
XYZ	19.4418, 14.7160, 2.4765
YIQ	101.8200, 70.6080, -2.0960

Conversions

Conversions Part 2

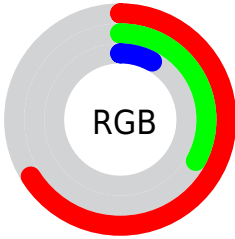
Format	Color
RYB	168, 133, 20
Decimal	11031572
CIELab	45.24, 30.63, 48.93
CIELCh	45, 57.720, 57.955
Yxy	14.7160, 0.5307, 0.4017
Android (android.graphics.Color)	4289221652 (0xFFA85414)
YUV	101.8200, -40.3373, 58.0399
Hunter-Lab	38.3614, 23.3324, 23.0255

Details

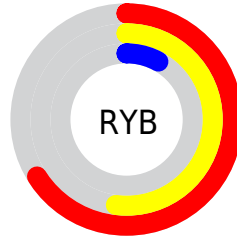
The Yxy color **14.7160, 0.5307, 0.4017** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **12.8632, 0.1921, 0.2009**, and the grayscale version is **13.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4409, 0.4844, 0.3961**, and **4.5130, 0.5803, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **13.2929, 0.5547, 0.3955**, and if you desaturate by 10%, it is **16.3803, 0.5030, 0.4031**.

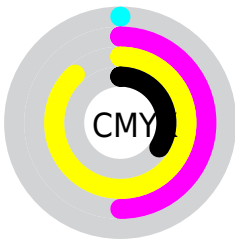
Distribution



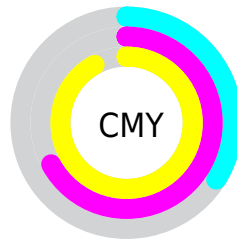
- Red (66%)
- Green (33%)
- Blue (8%)



- Red (66%)
- Yellow (52%)
- Blue (8%)



- Cyan (0%)
- Magenta (50%)
- Yellow (88%)
- Black (34%)





- Cyan (34%)
- Magenta (67%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7160, 0.5307, 0.4017 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 14.7160, 0.5307, 0.4017 by changing the saturation by 10% instead.


 14.7160, 0.5307,
0.4017


 14.7160, 0.5307,
0.4017


221.6407, 0.4078,
0.3739


 8.6203, 0.5615,
0.4001


 34.3542, 0.4846,
0.3965


 4.4944, 0.6049,
0.3951

 48.6655, 0.4674,
0.3927


 1.9538, 0.6374,
0.3626

 66.4841, 0.4531,
0.3890

 0.5804, 0.7050,
0.2950

 88.1944, 0.4411,
0.3854


 0.0000, 1.0000,
0.0000


 114.1808, 0.4309,
0.3821


 0.0000, 0.0000,
0.0000


 144.8278, 0.4221,


0.3791


 180.5196, 0.4145,
0.3764


 14.7160, 0.5307,
0.4017


 14.7160, 0.5307,
0.4017

 13.2929, 0.5547,
0.3955

 16.3803, 0.5030,
0.4031

 13.0466, 0.5592,
0.3942

 18.3012, 0.4730,
0.3997

 20.4925, 0.4429,
0.3925

 22.9664, 0.4142,
0.3828

 25.7338, 0.3878,
0.3718

■ 28.8051, 0.3643,
0.3602

■ 32.1900, 0.3436,
0.3486

■ 35.8980, 0.3255,
0.3375

■ 39.9377, 0.3099,
0.3271

Harmonies

Analogous

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



14.7160, 0.5272, 0.3265



14.7160, 0.5307, 0.4017



14.7160, 0.4690, 0.4820

Triad

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



14.7160, 0.5307, 0.4017



14.7160, 0.1829, 0.4032



14.7160, 0.2187, 0.1717

Complementary

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



14.7160, 0.5307, 0.4017



12.8632, 0.1921, 0.2009

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.



14.7160, 0.1559, 0.1680



14.7160, 0.5307, 0.4017



14.7160, 0.1365, 0.2734

Square

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



14.7160, 0.5307, 0.4017



14.7160, 0.2700, 0.5253



14.7160, 0.1295, 0.1973



14.7160, 0.3217, 0.2032

Rectangle

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



14.7160, 0.5307, 0.4017



14.7160, 0.4076, 0.5287



14.7160, 0.1295, 0.1973



14.7160, 0.1933, 0.1672

Sweetspot

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



14.7168, 0.5307, 0.4017



53.2465, 0.3607, 0.3583



9.8693, 0.4370, 0.2269



11.1840, 0.3680, 0.3621



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.



14.7168, 0.5307, 0.4017



23.2717, 0.5622, 0.3918



32.0316, 0.4290, 0.4891



8.0563, 0.3275, 0.3388



9.9531, 0.5575, 0.3955



0.3446, 0.5013, 0.4401

Inverse Universe

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



12.8632, 0.1921, 0.2009



19.6479, 0.1831, 0.1791



4.0248, 0.1598, 0.0816



7.9802, 0.2987, 0.3190



8.4605, 0.1843, 0.1834



0.3046, 0.1991, 0.2367

Previews

White Background



This preview shows how the Yxy color 14.7160, 0.5307, 0.4017 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 14.7160, 0.5307, 0.4017 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 14.7160, 0.5307, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 14.7160, 0.5307, 0.4017.



This preview shows how white text looks on a background with the Yxy color 14.7160, 0.5307, 0.4017.

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

14.7160, 0.5307, 0.4017

Protanopia

14.8647, 0.4273, 0.4728

Deuteranopia

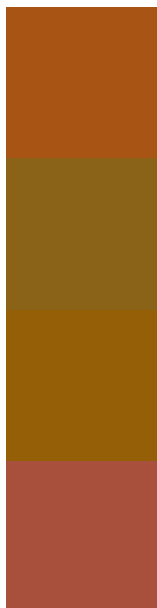
14.7370, 0.4702, 0.4649



Tritanopia

14.6349, 0.4579, 0.3206

Trichromacy



Original Color

14.7160, 0.5307, 0.4017

Protanomaly

14.3929, 0.4671, 0.4450

Deuteranomaly

14.4957, 0.4956, 0.4396

Tritanomaly

14.5093, 0.4927, 0.3561

Monochromacy



Original Color

14.7160, 0.5307, 0.4017

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0879, 0.3975, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7160, 0.5307, 0.4017 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, 84, 20)` looks like.

```
.text, #text, p{  
    color:rgb(168, 84, 20)  
}
```

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, 84, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 84, 20) }
```

Border

The CSS property to change the border of an element to Yxy 14.7160, 0.5307, 0.4017 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, 84, 20) }
```

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

```
.border{ border-color:rgb(168, 84, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 84, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 84, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 84, 20);  
box-shadow:4px 4px 4px 4px rgb(168, 84,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7160, 0.5307, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 84, 20) }
```

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

```
.background{ background-color: rgb(168, 84,  
20) }
```

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