

Converting Colors

$Y_{xy}(15.7693, 0.4714, 0.4547)$

Have a look what the booklet for
Yxy(15.7693, 0.4714, 0.4547)
contains.

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Color

Yxy(15.7693, 0.4714, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	8F680D
RGB	143, 104, 13
RGB Percent	56%, 41%, 5%
CMY	0.4393, 0.5921, 0.9490
CMYK	0.00, 0.27, 0.91, 0.44
HSL	42°, 83%, 31%
HSV	42°, 91%, 56%
XYZ	16.3485, 15.7693, 2.5629
YIQ	105.2870, 52.4550, -20.0330

Conversions

Conversions Part 2

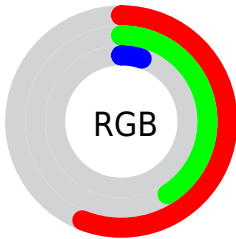
Format	Color
R_{YB}	69, 143, 13
Decimal	9398285
CIE _{Lab}	46.67, 7.94, 50.73
CIE _{LCh}	47, 51.352, 81.110
Yxy	15.7693, 0.4714, 0.4547
Android (android.graphics.Color)	4287588365 (0xFF8F680D)
YUV	105.2870, -45.4975, 33.0743
Hunter-Lab	39.7106, 3.9932, 23.9709

Details

The Yxy color **15.7693, 0.4714, 0.4547** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.5221, 0.1698, 0.1209**, and the grayscale version is **14.3243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2776, 0.4405, 0.4336**, and **5.0010, 0.4915, 0.4479** is the 20% darker color. If you saturate the color by 10%, you get **14.9739, 0.4828, 0.4549**, and if you desaturate by 10%, it is **16.7068, 0.4571, 0.4513**.

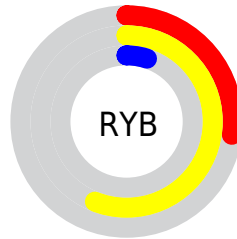
Distribution



Red (56%)

Green (41%)

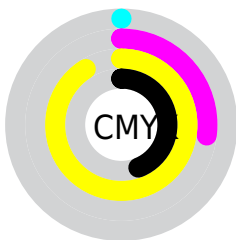
Blue (5%)



Red (27%)

Yellow (56%)

Blue (5%)

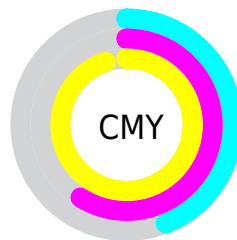


Cyan (0%)

Magenta (27%)

Yellow (91%)

Black (44%)



Cyan (44%)


Magenta (59%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7693, 0.4714, 0.4547 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 15.7693, 0.4714, 0.4547 by changing the saturation by 10% instead.


 15.7693, 0.4714,
0.4547


 15.7693, 0.4714,
0.4547


227.9765, 0.3852,
0.3909

 9.3611, 0.4908,
0.4658


 36.1972, 0.4403,
0.4336


 4.9774, 0.5190,
0.4810

 50.9857, 0.4283,
0.4247


 2.2340, 0.5284,
0.4716

 69.3364, 0.4181,
0.4170

 0.7384, 0.5484,
0.4516

 91.6336, 0.4095,
0.4103


 0.0000, 0.0000,
0.0000

 118.2619, 0.4021,
0.4045


 149.6055, 0.3956,


0.3994

 186.0489, 0.3901,
0.3949


 15.7693, 0.4714,
0.4547


 15.7693, 0.4714,
0.4547

 14.9739, 0.4828,
0.4549

 16.7068, 0.4571,
0.4513

 17.7204, 0.4403,
0.4434

 18.8155, 0.4217,
0.4317

 19.9964, 0.4023,
0.4169

 21.2666, 0.3828,
0.4003

■ 22.6295, 0.3638,
0.3827

■ 24.0884, 0.3459,
0.3648

■ 25.6460, 0.3293,
0.3473

■ 27.3053, 0.3140,
0.3305

Harmonies

Analogous

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



15.7693, 0.5116, 0.3838



15.7693, 0.4714, 0.4547



15.7693, 0.3928, 0.5112

Triad

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



15.7693, 0.4714, 0.4547



15.7693, 0.1614, 0.3050



15.7693, 0.2982, 0.2074

Complementary

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



15.7693, 0.4714, 0.4547



4.5221, 0.1698, 0.1209

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.



15.7693, 0.2134, 0.1840



15.7693, 0.4714, 0.4547



15.7693, 0.1459, 0.2248

Square

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



15.7693, 0.4714, 0.4547



15.7693, 0.2144, 0.4210



15.7693, 0.1632, 0.1878



15.7693, 0.4043, 0.2538

Rectangle

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



15.7693, 0.4714, 0.4547



15.7693, 0.3308, 0.5195



15.7693, 0.1632, 0.1878



15.7693, 0.2664, 0.1968

Sweetspot

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



15.7701, 0.4714, 0.4547



41.3885, 0.3577, 0.3767



6.3740, 0.5420, 0.2858



9.3141, 0.3633, 0.3821



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



15.7701, 0.4714, 0.4547



26.5129, 0.4844, 0.4536



23.4498, 0.3856, 0.5249



6.0161, 0.3265, 0.3443



13.2809, 0.4824, 0.4552



0.1656, 0.4482, 0.4824

Inverse Universe

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



4.5221, 0.1698, 0.1209



6.3618, 0.1610, 0.0996



2.7020, 0.1705, 0.0776



5.5022, 0.2990, 0.3132



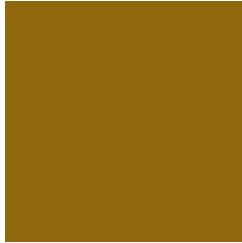
3.3065, 0.1622, 0.1039



0.0666, 0.1844, 0.1837

Previews

White Background



This preview shows how the Yxy color 15.7693, 0.4714, 0.4547 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 15.7693, 0.4714, 0.4547 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 15.7693, 0.4714, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 15.7693, 0.4714, 0.4547.



This preview shows how white text looks on a background with the Yxy color 15.7693, 0.4714, 0.4547.

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

15.7693, 0.4714, 0.4547

Protanopia

15.7633, 0.4346, 0.4815

Deuteranopia

15.7051, 0.4662, 0.4595



Tritanopia

15.8448, 0.3798, 0.3170

Trichromacy



Original Color

15.7693, 0.4714, 0.4547

Protanomaly

15.6624, 0.4496, 0.4708

Deuteranomaly

15.7924, 0.4675, 0.4585

Tritanomaly

15.6803, 0.4250, 0.3797

Monochromacy



Original Color

15.7693, 0.4714, 0.4547

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.4930, 0.3787, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7693, 0.4714, 0.4547 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(143, 104, 13)` looks like.

```
.text, #text, p{  
    color:rgb(143, 104, 13)  
}
```

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(143, 104, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 104, 13) }
```

Border

The CSS property to change the border of an element to Yxy 15.7693, 0.4714, 0.4547 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(143, 104, 13) }
```

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

```
.border{ border-color:rgb(143, 104, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 104, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 104, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 104, 13);  
box-shadow:4px 4px 4px 4px rgb(143, 104,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7693, 0.4714, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 104, 13) }
```

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

```
.background{ background-color: rgb(143,  
104, 13) }
```

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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