

Converting Colors

$Y_{xy}(15.7158, 0.4293, 0.4767)$

Have a look what the booklet for
Yxy(15.7158, 0.4293, 0.4767)
contains.

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Color

Yxy(15.7158, 0.4293, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	7C6F17
RGB	124, 111, 23
RGB Percent	49%, 44%, 9%
CMY	0.5137, 0.5647, 0.9097
CMYK	0.00, 0.10, 0.81, 0.51
HSL	52°, 69%, 29%
HSV	52°, 81%, 49%
XYZ	14.1531, 15.7158, 3.0990
YIQ	104.8550, 35.9960, -24.6120

Conversions

Conversions Part 2

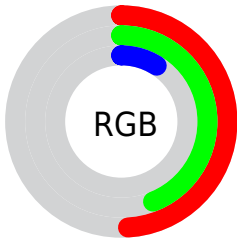
Format	Color
RYB	38, 124, 23
Decimal	8154903
CIELab	46.60, -4.81, 46.87
CIELCh	47, 47.112, 95.857
Yxy	15.7158, 0.4293, 0.4767
Android (android.graphics.Color)	4286344983 (0xFF7C6F17)
YUV	104.8550, -40.3545, 16.7902
Hunter-Lab	39.6432, -5.6487, 23.1154

Details

The Yxy color **15.7158, 0.4293, 0.4767** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9021, 0.1718, 0.1078**, and the grayscale version is **14.1906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9324, 0.4068, 0.4459**, and **5.0445, 0.4380, 0.4904** is the 20% darker color. If you saturate the color by 10%, you get **15.3322, 0.4373, 0.4829**, and if you desaturate by 10%, it is **16.1305, 0.4188, 0.4664**.

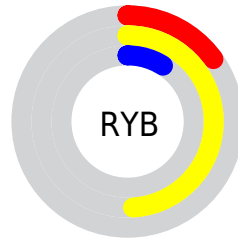
Distribution



Red (49%)

Green (44%)

Blue (9%)



Red (15%)

Yellow (49%)

Blue (9%)

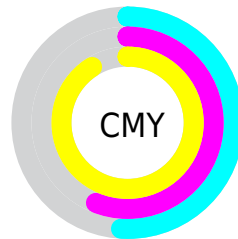


Cyan (0%)

Magenta (10%)

Yellow (81%)

Black (51%)



Cyan (51%)

Magenta (56%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7158, 0.4293, 0.4767 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 15.7158, 0.4293, 0.4767 by changing the saturation by 10% instead.

15.7158, 0.4293,
0.4767

15.7158, 0.4293,
0.4767

227.6588, 0.3669,
0.3946

9.3233, 0.4425,
0.4965

36.1041, 0.4071,
0.4462

4.9526, 0.4674,
0.5326

50.8687, 0.3984,
0.4347

2.2195, 0.4613,
0.5387

69.1927, 0.3910,
0.4251

0.7306, 0.4413,
0.5587


91.4606, 0.3847,
0.4170


0.0000, 0.0000,
0.0000


118.0568, 0.3793,
0.4102


149.3656, 0.3746,


0.4042


 185.7715, 0.3705,
0.3991


 15.7158, 0.4293,
0.4767


 15.7158, 0.4293,
0.4767

 15.3322, 0.4373,
0.4829


 16.1305, 0.4188,
0.4664

 15.0178, 0.4431,
0.4864

 16.5768, 0.4061,
0.4523

 17.0580, 0.3917,
0.4351

 17.5764, 0.3763,
0.4157

 18.1339, 0.3605,
0.3950

■ 18.7324, 0.3447,
0.3737

■ 19.3735, 0.3293,
0.3525

■ 20.0589, 0.3147,
0.3319

■ 20.7900, 0.3011,
0.3123

Harmonies

Analogous

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



15.7158, 0.4858, 0.4156



15.7158, 0.4293, 0.4767



15.7158, 0.3470, 0.5047

Triad

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



15.7158, 0.4293, 0.4767



15.7158, 0.1601, 0.2662



15.7158, 0.3474, 0.2346

Complementary

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



15.7158, 0.4293, 0.4767



2.9021, 0.1718, 0.1078

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.



15.7158, 0.2559, 0.2010



15.7158, 0.4293, 0.4767



15.7158, 0.1606, 0.2111

Square

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



15.7158, 0.4293, 0.4767



15.7158, 0.1931, 0.3601



15.7158, 0.1922, 0.1918



15.7158, 0.4408, 0.2868

Rectangle

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



15.7158, 0.4293, 0.4767



15.7158, 0.2884, 0.4846



15.7158, 0.1922, 0.1918



15.7158, 0.3148, 0.2209

Sweetspot

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



15.7165, 0.4293, 0.4767



32.6180, 0.3496, 0.3804



5.0302, 0.5528, 0.3108



7.6080, 0.3543, 0.3867



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.7165, 0.4293, 0.4767



26.4084, 0.4425, 0.4854



16.5066, 0.3619, 0.5290



4.5500, 0.3258, 0.3475



15.2603, 0.4431, 0.4864



71.9186, 0.4445, 0.4853

Inverse Universe

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



2.9021, 0.1718, 0.1078



3.2147, 0.1543, 0.0734



3.0315, 0.2061, 0.1075



3.9692, 0.2994, 0.3098



1.8531, 0.1537, 0.0733



8.1192, 0.1522, 0.0680

Previews

White Background



This preview shows how the Yxy color 15.7158, 0.4293, 0.4767 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 15.7158, 0.4293, 0.4767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

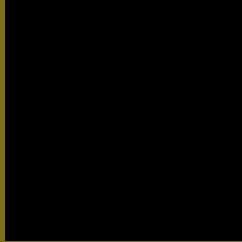
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.7158, 0.4293, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 15.7158, 0.4293, 0.4767.



This preview shows how white text looks on a background with the Yxy color 15.7158, 0.4293, 0.4767.

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

15.7158, 0.4293, 0.4767

Protanopia

15.7158, 0.4293, 0.4767

Deuteranopia

15.6667, 0.4576, 0.4513



Tritanopia

15.5940, 0.3407, 0.3139

Trichromacy



Original Color

15.7158, 0.4293, 0.4767

Protanomaly

15.7158, 0.4293, 0.4767

Deuteranomaly

15.6539, 0.4482, 0.4597

Tritanomaly

15.4618, 0.3820, 0.3818

Monochromacy



Original Color

15.7158, 0.4293, 0.4767

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.4681, 0.3626, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7158, 0.4293, 0.4767 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(124, 111, 23)` looks like.

```
.text, #text, p{  
    color:rgb(124, 111, 23)  
}
```

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(124, 111, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 111, 23) }
```

Border

The CSS property to change the border of an element to Yxy 15.7158, 0.4293, 0.4767 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(124, 111, 23) }
```

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

```
.border{ border-color:rgb(124, 111, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 111, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 111, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 111, 23);  
box-shadow:4px 4px 4px 4px rgb(124, 111,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7158, 0.4293, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 111, 23) }
```

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

```
.background{ background-color: rgb(124,  
111, 23) }
```

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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