

Converting Colors

$Y_{xy}(14.7697, 0.4235, 0.4837)$

Have a look what the booklet for
Yxy(14.7697, 0.4235, 0.4837)
contains.

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Color

$\text{Yxy}(14.7697, 0.4235, 0.4837)$

Conversions

Conversions Part 1

Format	Color
Hex	756D14
RGB	117, 109, 20
RGB Percent	46%, 43%, 8%
CMY	0.5412, 0.5725, 0.9213
CMYK	0.00, 0.07, 0.83, 0.54
HSL	55°, 71%, 27%
HSV	55°, 83%, 46%
XYZ	12.9315, 14.7697, 2.8336
YIQ	101.2460, 33.3370, -25.9830

Conversions

Conversions Part 2

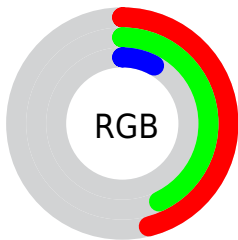
Format	Color
RYB	29, 117, 20
Decimal	7695636
CIELab	45.32, -7.14, 46.45
CIELCh	45, 46.996, 98.734
Yxy	14.7697, 0.4235, 0.4837
Android (android.graphics.Color)	4285885716 (0xFF756D14)
YUV	101.2460, -40.0543, 13.8163
Hunter-Lab	38.4314, -7.1927, 22.5304

Details

The Yxy color **14.7697, 0.4235, 0.4837** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2669, 0.1685, 0.0975**, and the grayscale version is **13.1820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3801, 0.4032, 0.4507**, and **4.5691, 0.4266, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **14.5332, 0.4299, 0.4901**, and if you desaturate by 10%, it is **15.0298, 0.4146, 0.4733**.

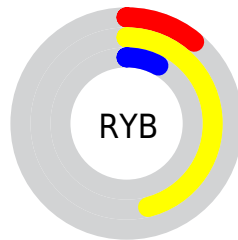
Distribution



Red (46%)

Green (43%)

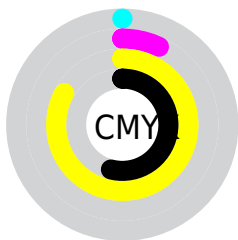
Blue (8%)



Red (11%)

Yellow (46%)

Blue (8%)

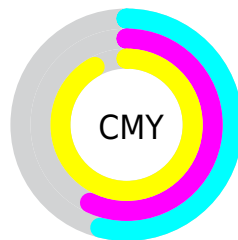


Cyan (0%)

Magenta (7%)

Yellow (83%)

Black (54%)



Cyan (54%)


Magenta (57%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7697, 0.4235, 0.4837 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 14.7697, 0.4235, 0.4837 by changing the saturation by 10% instead.


 14.7697, 0.4235,
0.4837


 14.7697, 0.4235,
0.4837


 221.9680, 0.3643,
0.3962


 8.6579, 0.4355,
0.5055

 34.4487, 0.4027,
0.4506


 4.5187, 0.4567,
0.5433

 48.7846, 0.3944,
0.4384


 1.9678, 0.4468,
0.5532

 66.6308, 0.3874,
0.4282

 0.5886, 0.3956,
0.6044


 88.3715, 0.3813,
0.4197


 0.0000, 0.0000,
0.0000

 114.3912, 0.3762,
0.4124


 145.0742, 0.3717,


0.4062


 180.8050, 0.3678,
0.4008


 14.7697, 0.4235,
0.4837


 14.7697, 0.4235,
0.4837


 14.5332, 0.4299,
0.4901


 15.0298, 0.4146,
0.4733

 14.3699, 0.4339,
0.4937

 15.3140, 0.4036,
0.4592

 15.6252, 0.3906,
0.4419

 15.9653, 0.3764,
0.4221

 16.3361, 0.3614,
0.4008

■ 16.7391, 0.3462,
0.3788

■ 17.1758, 0.3312,
0.3566

■ 17.6476, 0.3167,
0.3350

■ 18.1558, 0.3030,
0.3143

Harmonies

Analogous

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



14.7697, 0.4847, 0.4228



14.7697, 0.4235, 0.4837



14.7697, 0.3386, 0.5074

Triad

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



14.7697, 0.4235, 0.4837



14.7697, 0.1565, 0.2577



14.7697, 0.3576, 0.2375

Complementary

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



14.7697, 0.4235, 0.4837



2.2669, 0.1685, 0.0975

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.



14.7697, 0.2628, 0.2014



14.7697, 0.4235, 0.4837



14.7697, 0.1602, 0.2058

Square

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



14.7697, 0.4235, 0.4837



14.7697, 0.1863, 0.3500



14.7697, 0.1951, 0.1895



14.7697, 0.4507, 0.2917

Rectangle

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



14.7697, 0.4235, 0.4837



14.7697, 0.2793, 0.4819



14.7697, 0.1951, 0.1895



14.7697, 0.3241, 0.2231

Sweetspot

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



14.7704, 0.4235, 0.4837



29.7673, 0.3504, 0.3850



4.3688, 0.5690, 0.3187



6.7981, 0.3546, 0.3910



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.7704, 0.4235, 0.4837



25.6791, 0.4338, 0.4930



14.3349, 0.3554, 0.5352



4.2171, 0.3256, 0.3483



15.8218, 0.4340, 0.4936



76.5002, 0.4348, 0.4929

Inverse Universe

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



2.2669, 0.1685, 0.0975



2.6246, 0.1524, 0.0675



2.7615, 0.2125, 0.1096



3.6340, 0.2995, 0.3089



1.6343, 0.1523, 0.0682



7.4183, 0.1511, 0.0641

Previews

White Background



This preview shows how the Yxy color 14.7697, 0.4235, 0.4837 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 14.7697, 0.4235, 0.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

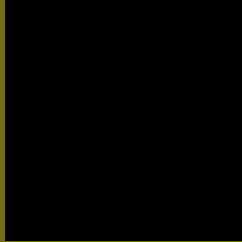
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7697, 0.4235, 0.4837

Background



This preview shows how black text looks on a background with the Yxy color 14.7697, 0.4235, 0.4837.



This preview shows how white text looks on a background with the Yxy color 14.7697, 0.4235, 0.4837.

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

14.7697, 0.4235, 0.4837

Protanopia

14.8406, 0.4309, 0.4782

Deuteranopia

14.7196, 0.4580, 0.4523



Tritanopia

14.6966, 0.3353, 0.3134

Trichromacy



Original Color

14.7697, 0.4235, 0.4837

Protanomaly

14.7687, 0.4294, 0.4792

Deuteranomaly

14.7542, 0.4440, 0.4643

Tritanomaly

14.5014, 0.3755, 0.3841

Monochromacy



Original Color

14.7697, 0.4235, 0.4837

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.4943, 0.3608, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7697, 0.4235, 0.4837 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(117, 109, 20)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 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(117, 109, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 20) }
```

Border

The CSS property to change the border of an element to Yxy 14.7697, 0.4235, 0.4837 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(117, 109, 20) }
```

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

```
.border{ border-color:rgb(117, 109, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 109, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 109, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 109, 20);  
box-shadow:4px 4px 4px 4px rgb(117, 109,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7697, 0.4235, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 20) }
```

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

```
.background{ background-color: rgb(117,  
109, 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](#).

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