

Converting Colors

$Y_{xy}(14.9463, 0.4238, 0.5017)$

Have a look what the booklet for
Yxy(14.9463, 0.4238, 0.5017)
contains.

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Color

Yxy(14.9463, 0.4238, 0.5017)

Conversions

Conversions Part 1

Format	Color
Hex	726F00
RGB	114, 111, 0
RGB Percent	45%, 44%, 0%
CMY	0.5529, 0.5647, 1.0000
CMYK	0.00, 0.03, 1.00, 0.55
HSL	58°, 100%, 22%
HSV	58°, 100%, 45%
XYZ	12.6256, 14.9463, 2.2195
YIQ	99.2430, 37.4190, -33.8850

Conversions

Conversions Part 2

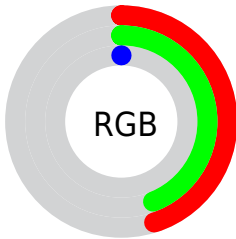
Format	Color
RYB	3, 114, 0
Decimal	7499520
CIELab	45.56, -10.23, 51.51
CIELCh	46, 52.511, 101.233
Yxy	14.9463, 0.4238, 0.5017
Android (android.graphics.Color)	4285689600 (0xFF726F00)
YUV	99.2430, -48.9268, 12.9419
Hunter-Lab	38.6604, -9.3620, 23.6585

Details

The Yxy color **14.9463, 0.4238, 0.5017** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.2810, 0.1508, 0.0629**, and the grayscale version is **12.6620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6235, 0.4051, 0.4652**, and **4.6909, 0.4145, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **14.9470, 0.4238, 0.5017**, and if you desaturate by 10%, it is **15.0381, 0.4196, 0.4960**.

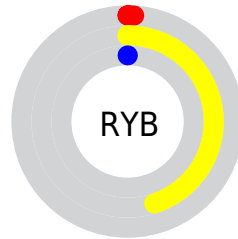
Distribution



Red (45%)

Green (44%)

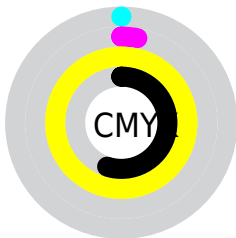
Blue (0%)



Red (1%)

Yellow (45%)

Blue (0%)

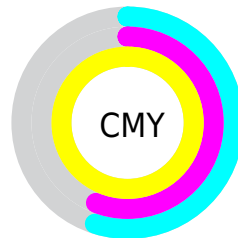


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9463, 0.4238, 0.5017 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 14.9463, 0.4238, 0.5017 by changing the saturation by 10% instead.

14.9463, 0.4238,
0.5017

14.9463, 0.4238,
0.5017

223.0410, 0.3670,
0.4048

8.7817, 0.4336,
0.5254

34.7589, 0.4052,
0.4658

4.5991, 0.4434,
0.5566

49.1758, 0.3972,
0.4522

2.0140, 0.4292,
0.5708

67.1122, 0.3903,
0.4409

0.6156, 0.3527,
0.6473


88.9525, 0.3843,
0.4313

0.0000, 0.0000,
0.0000


115.0811, 0.3791,
0.4232


145.8825, 0.3746,


0.4162

 181.7410, 0.3705,
0.4101


 14.9463, 0.4238,
0.5017


 14.9463, 0.4238,
0.5017

 14.9470, 0.4238,
0.5017

 15.0381, 0.4196,
0.4960

 15.1403, 0.4139,
0.4879

 15.2624, 0.4059,
0.4759

 15.4065, 0.3957,
0.4603

 15.5748, 0.3836,
0.4416

■ 15.7688, 0.3702,
0.4205

■ 15.9902, 0.3559,
0.3980

■ 16.2404, 0.3413,
0.3748

■ 16.5207, 0.3268,
0.3516

Harmonies

Analogous

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



14.9463, 0.4957, 0.4334



14.9463, 0.4238, 0.5017



14.9463, 0.3299, 0.5278

Triad

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



14.9463, 0.4238, 0.5017



14.9463, 0.1421, 0.2424



14.9463, 0.3711, 0.2333

Complementary

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



14.9463, 0.4238, 0.5017



1.2810, 0.1508, 0.0629

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.



14.9463, 0.2648, 0.1928



14.9463, 0.4238, 0.5017



14.9463, 0.1492, 0.1913

Square

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



14.9463, 0.4238, 0.5017



14.9463, 0.1696, 0.3410



14.9463, 0.1890, 0.1775



14.9463, 0.4730, 0.2923

Rectangle

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



14.9463, 0.4238, 0.5017



14.9463, 0.2659, 0.4955



14.9463, 0.1890, 0.1775



14.9463, 0.3337, 0.2173

Sweetspot

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



14.9470, 0.4238, 0.5017



28.0586, 0.3571, 0.3998



3.5870, 0.6339, 0.3266



6.4591, 0.3617, 0.4071



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



14.9470, 0.4238, 0.5017



26.2281, 0.4239, 0.5016



13.0246, 0.3441, 0.5650



3.9018, 0.3254, 0.3493



16.6296, 0.4238, 0.5017



82.6302, 0.4241, 0.5015

Inverse Universe

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



1.2810, 0.1508, 0.0629



2.2200, 0.1506, 0.0621



1.9780, 0.2002, 0.0877



3.3133, 0.2996, 0.3079



1.4213, 0.1508, 0.0627



6.8792, 0.1503, 0.0611

Previews

White Background



This preview shows how the Yxy color 14.9463, 0.4238, 0.5017 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 Xy color 14.9463, 0.4238, 0.5017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

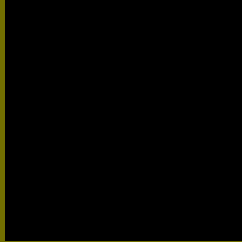
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.9463, 0.4238, 0.5017

Background



This preview shows how black text looks on a background with the Yxy color 14.9463, 0.4238, 0.5017.



This preview shows how white text looks on a background with the Yxy color 14.9463, 0.4238, 0.5017.

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

14.9463, 0.4238, 0.5017

Protanopia

14.8627, 0.4402, 0.4887

Deuteranopia

14.7744, 0.4640, 0.4571



Tritanopia

14.9131, 0.3277, 0.3132

Trichromacy



Original Color

14.9463, 0.4238, 0.5017

Protanomaly

14.8592, 0.4342, 0.4934

Deuteranomaly

14.7143, 0.4503, 0.4729

Tritanomaly

14.6146, 0.3777, 0.4011

Monochromacy



Original Color

14.9463, 0.4238, 0.5017

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.0024, 0.3688, 0.4185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9463, 0.4238, 0.5017 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(114, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 111, 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(114, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9463, 0.4238, 0.5017 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(114, 111, 0) }
```

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

```
.border{ border-color:rgb(114, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 111,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9463, 0.4238, 0.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 111, 0) }
```

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

```
.background{ background-color: rgb(114,  
111, 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](#).

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