

Converting Colors

$Y_{xy}(10.0493, 0.4730, 0.4654)$

Have a look what the booklet for
Yxy(10.0493, 0.4730, 0.4654)
contains.

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Color

Yxy(10.1418, 0.4717, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	735500
RGB	115, 85, 0
RGB Percent	45%, 33%, 0%
CMY	0.5490, 0.6667, 0.9998
CMYK	0.00, 0.26, 1.00, 0.55
HSL	44°, 100%, 23%
HSV	44°, 100%, 45%
XYZ	10.3190, 10.1418, 1.4154
YIQ	84.2800, 45.1650, -20.0750

Conversions

Conversions Part 2

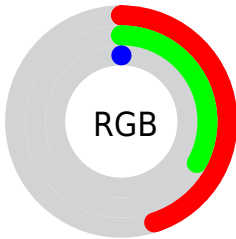
Format	Color
R_YB	41, 115, 0
Decimal	7558400
CIE Lab	38.10, 5.36, 46.24
CIE LCh	38, 46.552, 83.394
Yxy	10.1418, 0.4717, 0.4636
Android (android.graphics.Color)	4285748480 (0xFF735500)
YUV	84.2800, -41.5500, 26.9414
Hunter-Lab	31.8462, 2.1078, 19.6572

Details

The Yxy color **10.1418, 0.4717, 0.4636** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.1698, 0.1605, 0.0978**, and the grayscale version is **9.0091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9936, 0.4382, 0.4375**, and **2.5417, 0.4874, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **10.1396, 0.4718, 0.4636**, and if you desaturate by 10%, it is **10.6503, 0.4598, 0.4610**.

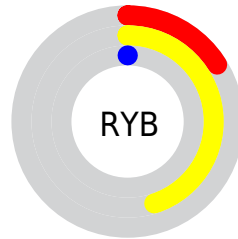
Distribution



Red (45%)

Green (33%)

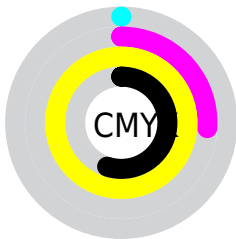
Blue (0%)



Red (16%)

Yellow (45%)

Blue (0%)

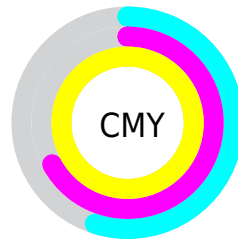


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (67%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1418, 0.4717, 0.4636 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 10.1418, 0.4717, 0.4636 by changing the saturation by 10% instead.


 10.1418, 0.4717,
0.4636


 10.1418, 0.4717,
0.4636


 191.6811, 0.3806,
0.3903


 5.4931, 0.5012,
0.4852

 26.0619, 0.4378,
0.4382


 2.5394, 0.5141,
0.4859


 38.1020, 0.4250,
0.4279

 0.8963, 0.5250,
0.4750

 53.3747, 0.4142,
0.4190

 0.0000, 0.0000,
0.0000


 72.2645, 0.4053,
0.4115


 95.1556, 0.3976,
0.4050


 122.4325, 0.3911,


0.3994


 154.4795, 0.3855,
0.3945


 10.1418, 0.4717,
0.4636

 10.1418, 0.4717,
0.4636


 10.1396, 0.4718,
0.4636

 10.6503, 0.4598,
0.4610

 11.1900, 0.4467,
0.4558

 11.7701, 0.4312,
0.4464

 12.3934, 0.4141,
0.4334

 13.0620, 0.3961,
0.4179

■ 13.7779, 0.3779,
0.4006

■ 14.5429, 0.3602,
0.3825

■ 15.3588, 0.3432,
0.3642

■ 16.2270, 0.3273,
0.3462

Harmonies

Analogous

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



10.1418, 0.5190, 0.3897



10.1418, 0.4717, 0.4636



10.1418, 0.3874, 0.5221

Triad

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



10.1418, 0.4717, 0.4636



10.1418, 0.1527, 0.2949



10.1418, 0.3052, 0.2056

Complementary

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



10.1418, 0.4717, 0.4636



2.1698, 0.1605, 0.0978

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.



10.1418, 0.2145, 0.1795



10.1418, 0.4717, 0.4636



10.1418, 0.1400, 0.2154

Square

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



10.1418, 0.4717, 0.4636



10.1418, 0.2039, 0.4164



10.1418, 0.1603, 0.1808



10.1418, 0.4169, 0.2549

Rectangle

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



10.1418, 0.4717, 0.4636



10.1418, 0.3226, 0.5284



10.1418, 0.1603, 0.1808



10.1418, 0.2712, 0.1941

Sweetspot

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



10.1423, 0.4717, 0.4636



25.9231, 0.3616, 0.3840



3.7436, 0.5772, 0.2954



6.0732, 0.3675, 0.3901



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.



10.1423, 0.4717, 0.4636



17.9358, 0.4734, 0.4623



14.3451, 0.3803, 0.5362



4.1123, 0.3260, 0.3446



11.5561, 0.4722, 0.4633



54.8689, 0.4756, 0.4605

Inverse Universe

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



2.1698, 0.1605, 0.0978



3.6851, 0.1593, 0.0936



1.4706, 0.1661, 0.0689



3.7310, 0.2995, 0.3129



2.4452, 0.1602, 0.0967



10.7020, 0.1579, 0.0883

Previews

White Background



This preview shows how the Yxy color 10.1418, 0.4717, 0.4636 looks on a white background.

Color Contrast Check

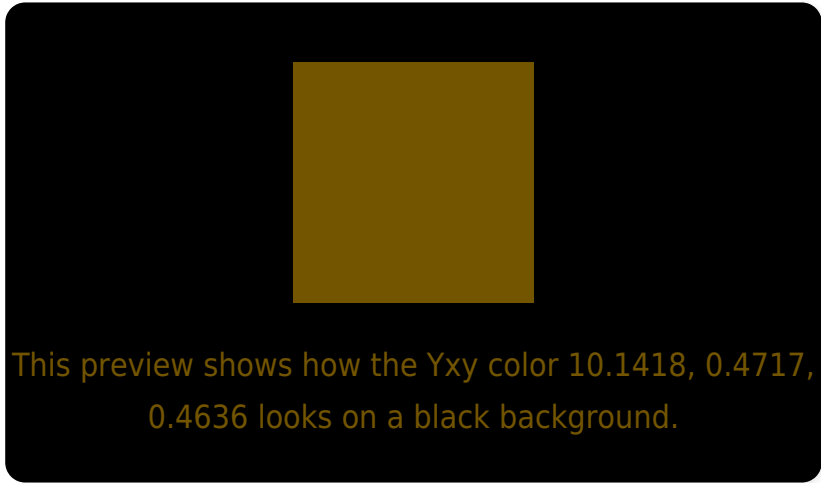
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

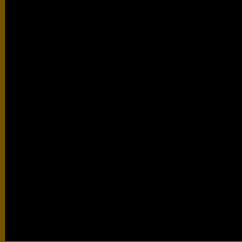
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1418, 0.4717, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 10.1418, 0.4717, 0.4636.



This preview shows how white text looks on a background with the Yxy color 10.1418, 0.4717, 0.4636.

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

10.1418, 0.4717, 0.4636

Protanopia

10.1503, 0.4373, 0.4841

Deuteranopia

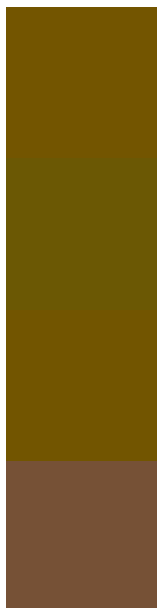
10.0744, 0.4701, 0.4649



Tritanopia

10.1698, 0.3748, 0.3165

Trichromacy



Original Color

10.1418, 0.4717, 0.4636

Protanomaly

10.1140, 0.4506, 0.4759

Deuteranomaly

10.0744, 0.4701, 0.4649

Tritanomaly

10.0028, 0.4275, 0.3859

Monochromacy



Original Color

10.1418, 0.4717, 0.4636

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.0306, 0.3839, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1418, 0.4717, 0.4636 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(115, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 85, 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(115, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 85, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1418, 0.4717, 0.4636 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(115, 85, 0) }
```

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

```
.border{ border-color:rgb(115, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 85, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1418, 0.4717, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 85, 0) }
```

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

```
.background{ background-color: rgb(115, 85,  
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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