

Converting Colors

$Y_{xy}(13.4212, 0.4586, 0.4741)$

Have a look what the booklet for
Yxy(13.4212, 0.4586, 0.4741)
contains.

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Color

Yxy(13.4743, 0.4582, 0.4744)

Conversions

Conversions Part 1

Format	Color
Hex	7D6400
RGB	125, 100, 0
RGB Percent	49%, 39%, 0%
CMY	0.5098, 0.6078, 1.0000
CMYK	0.00, 0.20, 1.00, 0.51
HSL	48°, 100%, 25%
HSV	48°, 100%, 49%
XYZ	13.0142, 13.4743, 1.9144
YIQ	96.0750, 47.0000, -25.8000

Conversions

Conversions Part 2

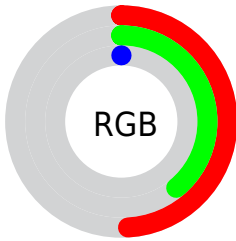
Format	Color
RYB	31, 125, 0
Decimal	8217600
CIELab	43.47, 1.38, 50.53
CIElCh	43, 50.546, 88.441
Yxy	13.4743, 0.4582, 0.4744
Android (android.graphics.Color)	4286407680 (0xFF7D6400)
YUV	96.0750, -47.3650, 25.3672
Hunter-Lab	36.7074, -0.9527, 22.6031

Details

The Yxy color **13.4743, 0.4582, 0.4744** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1755, 0.1567, 0.0842**, and the grayscale version is **11.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9627, 0.4301, 0.4466**, and **3.9779, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **13.4750, 0.4582, 0.4744**, and if you desaturate by 10%, it is **13.9896, 0.4491, 0.4714**.

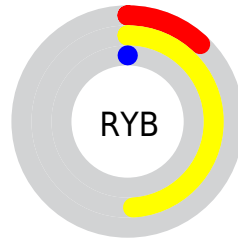
Distribution



Red (49%)

Green (39%)

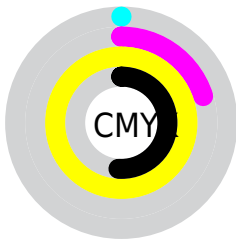
Blue (0%)



Red (12%)

Yellow (49%)

Blue (0%)

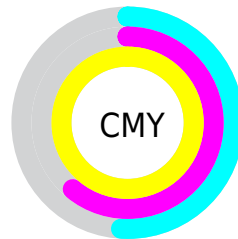


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4743, 0.4582, 0.4744 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 13.4743, 0.4582, 0.4744 by changing the saturation by 10% instead.


 13.4743, 0.4582,
0.4744


 13.4743, 0.4582,
0.4744


 213.9354, 0.3792,
0.3965


 7.7560, 0.4765,
0.4917


 32.1533, 0.4303,
0.4473


 3.9392, 0.4933,
0.5067

 45.8827, 0.4192,
0.4363


 1.6396, 0.4954,
0.5046

 63.0513, 0.4098,
0.4270

 0.3841, 0.5093,
0.4907


 84.0435, 0.4018,
0.4190

 0.0000, 0.0000,
0.0000


 109.2436, 0.3949,
0.4122


 139.0360, 0.3890,


0.4062


 173.8051, 0.3838,
0.4010


 13.4743, 0.4582,
0.4744

 13.4743, 0.4582,
0.4744


 13.4750, 0.4582,
0.4744

 13.9896, 0.4491,
0.4714

 14.5337, 0.4383,
0.4655

 15.1169, 0.4251,
0.4554

 15.7421, 0.4099,
0.4417

 16.4121, 0.3935,
0.4252

■ 17.1291, 0.3765,
0.4067

■ 17.8951, 0.3596,
0.3872

■ 18.7122, 0.3431,
0.3674

■ 19.5821, 0.3274,
0.3478

Harmonies

Analogous

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



13.4743, 0.5128, 0.4018



13.4743, 0.4582, 0.4744



13.4743, 0.3711, 0.5249

Triad

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



13.4743, 0.4582, 0.4744



13.4743, 0.1497, 0.2788



13.4743, 0.3235, 0.2136

Complementary

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



13.4743, 0.4582, 0.4744



2.1755, 0.1567, 0.0842

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.



13.4743, 0.2282, 0.1834



13.4743, 0.4582, 0.4744



13.4743, 0.1427, 0.2082

Square

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



13.4743, 0.4582, 0.4744



13.4743, 0.1939, 0.3941



13.4743, 0.1683, 0.1799



13.4743, 0.4332, 0.2657

Rectangle

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



13.4743, 0.4582, 0.4744



13.4743, 0.3066, 0.5207



13.4743, 0.1683, 0.1799



13.4743, 0.2884, 0.2008

Sweetspot

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



13.4750, 0.4582, 0.4744



31.9453, 0.3608, 0.3887



4.4299, 0.6002, 0.3080



7.1572, 0.3666, 0.3954



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.



13.4750, 0.4582, 0.4744



23.9251, 0.4593, 0.4735



16.7165, 0.3689, 0.5453



4.8780, 0.3260, 0.3461



14.0549, 0.4583, 0.4743



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.1755, 0.1567, 0.0842



3.7188, 0.1558, 0.0809



1.8832, 0.1731, 0.0727



4.3403, 0.2993, 0.3113



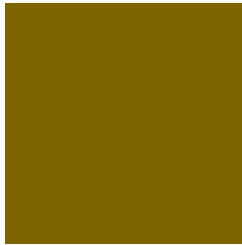
2.2619, 0.1567, 0.0839



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.4743, 0.4582, 0.4744 looks on a white background.

Color Contrast Check

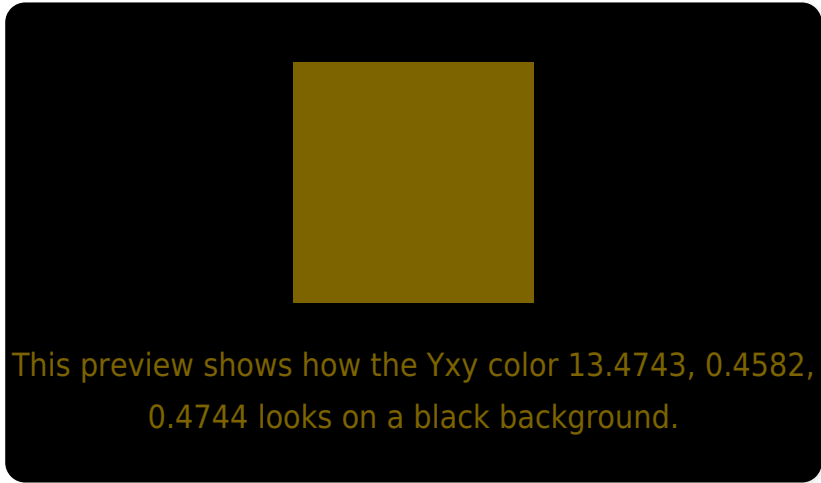
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4743, 0.4582, 0.4744

Background



This preview shows how black text looks on a background with the Yxy color 13.4743, 0.4582, 0.4744.

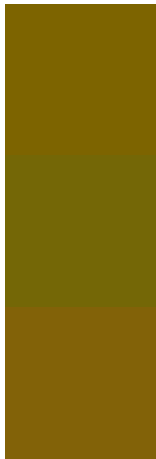


This preview shows how white text looks on a background with the Yxy color 13.4743, 0.4582, 0.4744.

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

13.4743, 0.4582, 0.4744

Protanopia

13.4266, 0.4373, 0.4858

Deuteranopia

13.4987, 0.4658, 0.4618



Tritanopia

13.4946, 0.3606, 0.3156

Trichromacy



Original Color

13.4743, 0.4582, 0.4744

Protanomaly

13.4334, 0.4442, 0.4820

Deuteranomaly

13.5238, 0.4624, 0.4669

Tritanomaly

13.3251, 0.4118, 0.3917

Monochromacy



Original Color

13.4743, 0.4582, 0.4744

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0121, 0.3811, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4743, 0.4582, 0.4744 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(125, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 100, 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(125, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4743, 0.4582, 0.4744 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(125, 100, 0) }
```

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

```
.border{ border-color:rgb(125, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4743, 0.4582, 0.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 100, 0) }
```

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

```
.background{ background-color: rgb(125,  
100, 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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