

Converting Colors

$Y_{xy}(13.2967, 0.4404, 0.4885)$

Have a look what the booklet for
Yxy(13.2967, 0.4404, 0.4885)
contains.

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Color

Yxy(13.2157, 0.4413, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	746600
RGB	116, 102, 0
RGB Percent	45%, 40%, 0%
CMY	0.5450, 0.6000, 1.0000
CMYK	0.00, 0.12, 1.00, 0.55
HSL	53°, 100%, 23%
HSV	53°, 100%, 45%
XYZ	11.9559, 13.2157, 1.9209
YIQ	94.5580, 41.0860, -28.7540

Conversions

Conversions Part 2

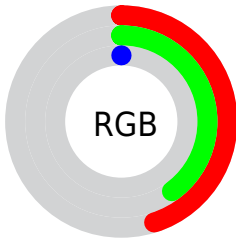
Format	Color
R_YB	16, 116, 0
Decimal	7628288
CIE Lab	43.09, -4.16, 49.81
CIE LCh	43, 49.982, 94.772
Yxy	13.2157, 0.4413, 0.4878
Android (android.graphics.Color)	4285818368 (0xFF746600)
YUV	94.5580, -46.6171, 18.8046
Hunter-Lab	36.3534, -4.9134, 22.3146

Details

The Yxy color **13.2157, 0.4413, 0.4878** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5765, 0.1537, 0.0732**, and the grayscale version is **11.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7666, 0.4164, 0.4561**, and **3.9183, 0.4401, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **13.2161, 0.4413, 0.4878**, and if you desaturate by 10%, it is **13.5199, 0.4345, 0.4831**.

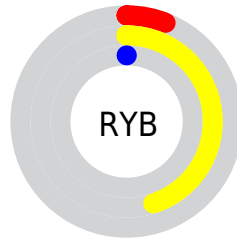
Distribution



Red (45%)

Green (40%)

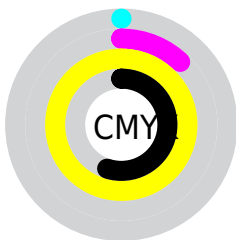
Blue (0%)



Red (6%)

Yellow (45%)

Blue (0%)

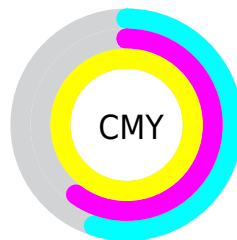


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2157, 0.4413, 0.4878 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 13.2157, 0.4413, 0.4878 by changing the saturation by 10% instead.


 13.2157, 0.4413,
0.4878


 13.2157, 0.4413,
0.4878


 212.2955, 0.3724,
0.3996


 7.5772, 0.4564,
0.5096

 31.6908, 0.4175,
0.4557


 3.8257, 0.4686,
0.5314

 45.2961, 0.4078,
0.4433


 1.5765, 0.4621,
0.5379

 62.3260, 0.3995,
0.4329

 0.3417, 0.3952,
0.6048

 83.1646, 0.3925,
0.4241


 0.0000, 0.0000,
0.0000


 108.1965, 0.3864,
0.4166


 137.8060, 0.3811,


0.4101


 172.3775, 0.3765,
0.4045


 13.2157, 0.4413,
0.4878


 13.2157, 0.4413,
0.4878


 13.2161, 0.4413,
0.4878

 13.5199, 0.4345,
0.4831

 13.8398, 0.4263,
0.4760

 14.1847, 0.4156,
0.4649

 14.5572, 0.4029,
0.4502

 14.9592, 0.3886,
0.4326

■ 15.3927, 0.3734,
0.4129

■ 15.8592, 0.3577,
0.3920

■ 16.3603, 0.3422,
0.3706

■ 16.8974, 0.3271,
0.3495

Harmonies

Analogous

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



13.2157, 0.5046, 0.4172



13.2157, 0.4413, 0.4878



13.2157, 0.3509, 0.5270

Triad

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



13.2157, 0.4413, 0.4878



13.2157, 0.1459, 0.2602



13.2157, 0.3467, 0.2234

Complementary

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



13.2157, 0.4413, 0.4878



1.5765, 0.1537, 0.0732

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.



13.2157, 0.2459, 0.1882



13.2157, 0.4413, 0.4878



13.2157, 0.1460, 0.1997

Square

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



13.2157, 0.4413, 0.4878



13.2157, 0.1817, 0.3673



13.2157, 0.1784, 0.1788



13.2157, 0.4531, 0.2789

Rectangle

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



13.2157, 0.4413, 0.4878



13.2157, 0.2865, 0.5092



13.2157, 0.1784, 0.1788



13.2157, 0.3103, 0.2090

Sweetspot

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



13.2163, 0.4413, 0.4878



27.8020, 0.3589, 0.3936



3.7505, 0.6154, 0.3164



6.5660, 0.3642, 0.4007



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.



13.2163, 0.4413, 0.4878



23.1004, 0.4419, 0.4873



13.9310, 0.3588, 0.5533



4.1944, 0.3257, 0.3475



14.8084, 0.4414, 0.4877



71.3288, 0.4428, 0.4866

Inverse Universe

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



1.5765, 0.1537, 0.0732



2.6553, 0.1529, 0.0705



1.7655, 0.1832, 0.0783



3.6547, 0.2995, 0.3098



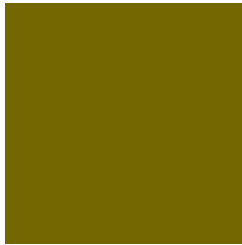
1.7510, 0.1535, 0.0725



7.8351, 0.1520, 0.0673

Previews

White Background



This preview shows how the Yxy color 13.2157, 0.4413, 0.4878 looks on a white background.

Color Contrast Check

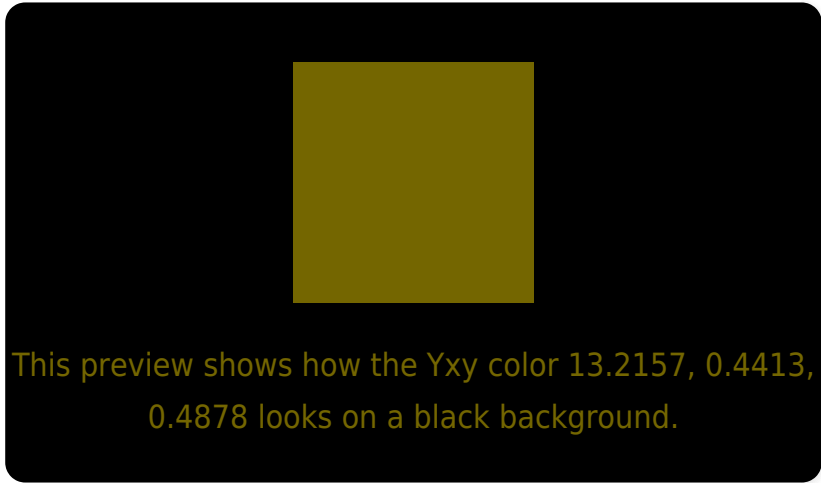
Large Text (above 18pt) WCAG AA ✓ Pass

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

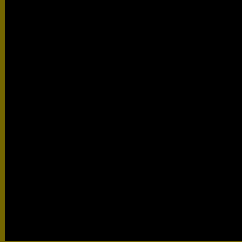
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2157, 0.4413, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 13.2157, 0.4413, 0.4878.

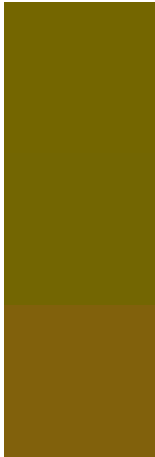


This preview shows how white text looks on a background with the Yxy color 13.2157, 0.4413, 0.4878.

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

13.2157, 0.4413, 0.4878

Protanopia

13.1520, 0.4389, 0.4879

Deuteranopia

13.2431, 0.4645, 0.4593



Tritanopia

13.2813, 0.3443, 0.3150

Trichromacy



Original Color

13.2157, 0.4413, 0.4878

Protanomaly

13.1498, 0.4393, 0.4885

Deuteranomaly

13.2263, 0.4553, 0.4698

Tritanomaly

13.1101, 0.3957, 0.3970

Monochromacy



Original Color

13.2157, 0.4413, 0.4878

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9452, 0.3750, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2157, 0.4413, 0.4878 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(116, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 102, 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(116, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2157, 0.4413, 0.4878 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(116, 102, 0) }
```

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

```
.border{ border-color:rgb(116, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2157, 0.4413, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 102, 0) }
```

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

```
.background{ background-color: rgb(116,  
102, 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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