

Converting Colors

$Y_{xy}(13.2906, 0.4237, 0.4620)$

Have a look what the booklet for
Yxy(13.2906, 0.4237, 0.4620)
contains.

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Color

Yxy(13.3200, 0.4237, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	746620
RGB	116, 102, 32
RGB Percent	45%, 40%, 13%
CMY	0.5451, 0.6000, 0.8744
CMYK	0.00, 0.12, 0.72, 0.55
HSL	50°, 57%, 29%
HSV	50°, 72%, 45%
XYZ	12.2158, 13.3200, 3.2954
YIQ	98.2060, 30.8140, -18.8020

Conversions

Conversions Part 2

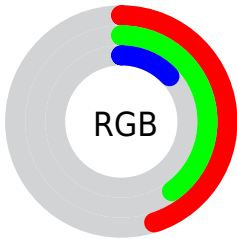
Format	Color
R_{YB}	49, 116, 32
Decimal	7628320
CIE Lab	43.24, -3.02, 39.81
CIE LCh	43, 39.928, 94.344
Yxy	13.3200, 0.4237, 0.4620
Android (android.graphics.Color)	4285818400 (0xFF746620)
YUV	98.2060, -32.6396, 15.6053
Hunter-Lab	36.4966, -4.1233, 20.1941

Details

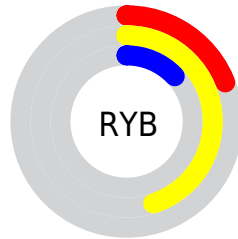
The Yxy color **13.3200, 0.4237, 0.4620** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5256, 0.1875, 0.1398**, and the grayscale version is **12.3465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9226, 0.3993, 0.4327**, and **3.8562, 0.4455, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **12.8923, 0.4353, 0.4717**, and if you desaturate by 10%, it is **13.7801, 0.4100, 0.4486**.

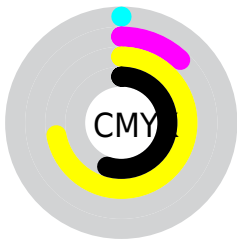
Distribution



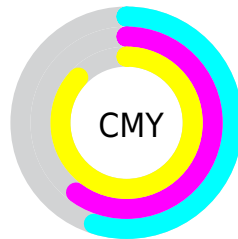
- Red (45%)
- Green (40%)
- Blue (13%)



- Red (19%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (12%)
- Yellow (72%)
- Black (55%)





- Cyan (55%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3200, 0.4237, 0.4620 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 13.3200, 0.4237, 0.4620 by changing the saturation by 10% instead.


 13.3200, 0.4237,
0.4620


 13.3200, 0.4237,
0.4620


212.9584, 0.3612,
0.3854


 7.6493, 0.4391,
0.4823


 31.8775, 0.4001,
0.4324


 3.8714, 0.4726,
0.5249

 45.5330, 0.3914,
0.4216


 1.6019, 0.4691,
0.5309

 62.6190, 0.3841,
0.4128

 0.3589, 0.4269,
0.5731

 83.5197, 0.3780,
0.4055


 0.0000, 0.0000,
0.0000


 108.6196, 0.3728,
0.3993

 138.3031, 0.3684,


0.3940


 172.9546, 0.3645,
0.3894


 13.3200, 0.4237,
0.4620


 13.3200, 0.4237,
0.4620

 12.8923, 0.4353,
0.4717


 13.7801, 0.4100,
0.4486


 12.4924, 0.4444,
0.4773

 14.2729, 0.3949,
0.4322

 12.1996, 0.4507,
0.4803

 14.8009, 0.3788,
0.4137

 15.3658, 0.3625,
0.3938

 15.9693, 0.3463,
0.3735

■ 16.6127, 0.3308,
0.3532

■ 17.2976, 0.3161,
0.3336

■ 18.0252, 0.3024,
0.3148

■ 18.7968, 0.2898,
0.2972

Harmonies

Analogous

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



13.3200, 0.4717, 0.4077



13.3200, 0.4237, 0.4620



13.3200, 0.3500, 0.4857

Triad

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



13.3200, 0.4237, 0.4620



13.3200, 0.1740, 0.2772



13.3200, 0.3400, 0.2408

Complementary

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



13.3200, 0.4237, 0.4620



3.5256, 0.1875, 0.1398

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.



13.3200, 0.2581, 0.2108



13.3200, 0.4237, 0.4620



13.3200, 0.1726, 0.2241

Square

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



13.3200, 0.4237, 0.4620



13.3200, 0.2071, 0.3623



13.3200, 0.2006, 0.2038



13.3200, 0.4239, 0.2888

Rectangle

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



13.3200, 0.4237, 0.4620



13.3200, 0.2964, 0.4687



13.3200, 0.2006, 0.2038



13.3200, 0.3109, 0.2285

Sweetspot

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



13.3206, 0.4237, 0.4620



28.0483, 0.3466, 0.3738



4.9568, 0.5009, 0.3012



6.6376, 0.3499, 0.3780



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.



13.3206, 0.4237, 0.4620



22.1747, 0.4417, 0.4759



14.7418, 0.3671, 0.5073



4.1673, 0.3258, 0.3466



13.6658, 0.4509, 0.4802



65.5199, 0.4529, 0.4786

Inverse Universe

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



3.5256, 0.1875, 0.1398



3.9740, 0.1654, 0.0992



3.2139, 0.2136, 0.1259



3.6796, 0.2995, 0.3108



1.9303, 0.1553, 0.0790



8.5299, 0.1535, 0.0725

Previews

White Background



This preview shows how the Yxy color 13.3200, 0.4237, 0.4620 looks on a white background.

Color Contrast Check

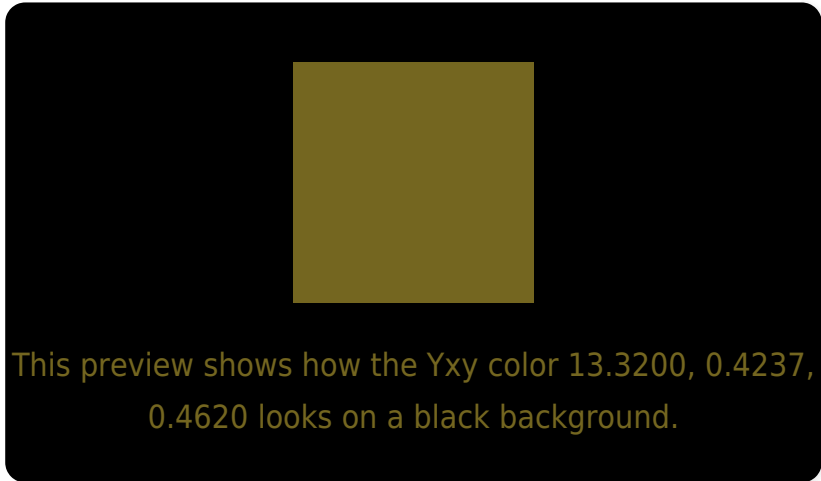
Large Text (above 18pt) WCAG AA ✓ Pass

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

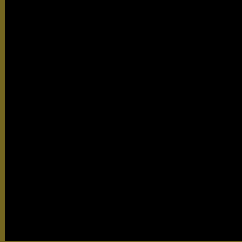
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3200, 0.4237, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 13.3200, 0.4237, 0.4620.



This preview shows how white text looks on a background with the Yxy color 13.3200, 0.4237, 0.4620.

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

13.3200, 0.4237, 0.4620

Protanopia

13.4496, 0.4207, 0.4646

Deuteranopia

13.2541, 0.4476, 0.4406



Tritanopia

13.2286, 0.3412, 0.3129

Trichromacy



Original Color

13.3200, 0.4237, 0.4620

Protanomaly

13.4496, 0.4207, 0.4646

Deuteranomaly

13.3186, 0.4395, 0.4486

Tritanomaly

13.1931, 0.3764, 0.3730

Monochromacy



Original Color

13.3200, 0.4237, 0.4620

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4214, 0.3577, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3200, 0.4237, 0.4620 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(116, 102, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 102, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.3200, 0.4237, 0.4620 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, 32) }
```

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

```
.border{ border-color:rgb(116, 102, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 102, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 102, 32);  
box-shadow:4px 4px 4px 4px rgb(116, 102,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3200, 0.4237, 0.4620 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, 32) }
```

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

```
.background{ background-color: rgb(116,  
102, 32) }
```

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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