

Converting Colors

$Y_{xy}(13.4113, 0.4269, 0.4737)$

Have a look what the booklet for
Yxy(13.4113, 0.4269, 0.4737)
contains.

Yxy(13.4113, 0.4269, 0.4737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4113, 0.4269, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	736718
RGB	115, 103, 24
RGB Percent	45%, 40%, 9%
CMY	0.5490, 0.5961, 0.9060
CMYK	0.00, 0.10, 0.79, 0.55
HSL	52°, 66%, 27%
HSV	52°, 79%, 45%
XYZ	12.0863, 13.4113, 2.8142
YIQ	97.5820, 32.5110, -22.0250

Conversions

Conversions Part 2

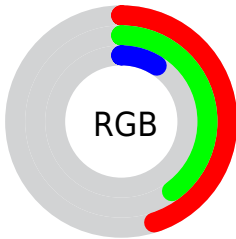
Format	Color
R_{YB}	38, 115, 24
Decimal	7563032
CIE _{Lab}	43.38, -4.50, 43.24
CIE _{LCh}	43, 43.474, 95.942
Yxy	13.4113, 0.4269, 0.4737
Android (android.graphics.Color)	4285753112 (0xFF736718)
YUV	97.5820, -36.2759, 15.2756
Hunter-Lab	36.6214, -5.1765, 21.0788

Details

The Yxy color **13.4113, 0.4269, 0.4737** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6929, 0.1759, 0.1155**, and the grayscale version is **12.1905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1517, 0.4042, 0.4425**, and **3.9183, 0.4401, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **13.0747, 0.4357, 0.4811**, and if you desaturate by 10%, it is **13.7749, 0.4157, 0.4624**.

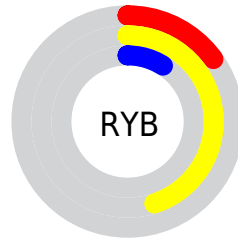
Distribution



Red (45%)

Green (40%)

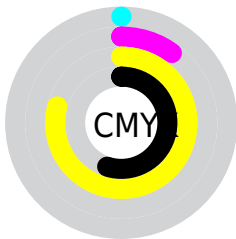
Blue (9%)



Red (15%)

Yellow (45%)

Blue (9%)

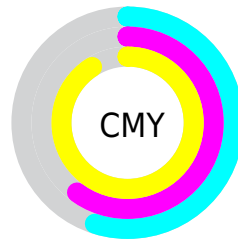


Cyan (0%)

Magenta (10%)

Yellow (79%)

Black (55%)



Cyan (55%)


Magenta (60%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4113, 0.4269, 0.4737 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 13.4113, 0.4269, 0.4737 by changing the saturation by 10% instead.


 13.4113, 0.4269,
0.4737


 13.4113, 0.4269,
0.4737


213.5371, 0.3638,
0.3909


 7.7124, 0.4410,
0.4948


 32.0407, 0.4038,
0.4421


 3.9115, 0.4672,
0.5328

 45.7401, 0.3950,
0.4305


 1.6242, 0.4602,
0.5398

 62.8750, 0.3876,
0.4209

 0.3738, 0.3963,
0.6037

 83.8298, 0.3813,
0.4129


 0.0000, 0.0000,
0.0000


 108.9891, 0.3760,
0.4061

 138.7371, 0.3713,

0.4003


 173.4583, 0.3673,
0.3953


 13.4113, 0.4269,
0.4737

 13.4113, 0.4269,
0.4737


 13.0747, 0.4357,
0.4811


 13.7749, 0.4157,
0.4624


 12.7554, 0.4429,
0.4857

 14.1659, 0.4025,
0.4475

 12.7287, 0.4435,
0.4861

 14.5870, 0.3878,
0.4298

 15.0398, 0.3723,
0.4102

 15.5260, 0.3565,
0.3894

■ 16.0471, 0.3409,
0.3683

■ 16.6046, 0.3258,
0.3475

■ 17.1996, 0.3115,
0.3273

■ 17.8335, 0.2982,
0.3082

Harmonies

Analogous

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



13.4113, 0.4818, 0.4146



13.4113, 0.4269, 0.4737



13.4113, 0.3466, 0.4997

Triad

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



13.4113, 0.4269, 0.4737



13.4113, 0.1634, 0.2679



13.4113, 0.3469, 0.2368

Complementary

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



13.4113, 0.4269, 0.4737



2.6929, 0.1759, 0.1155

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.



13.4113, 0.2576, 0.2038



13.4113, 0.4269, 0.4737



13.4113, 0.1639, 0.2138

Square

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



13.4113, 0.4269, 0.4737



13.4113, 0.1959, 0.3591



13.4113, 0.1950, 0.1947



13.4113, 0.4376, 0.2882

Rectangle

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



13.4113, 0.4269, 0.4737



13.4113, 0.2892, 0.4796



13.4113, 0.1950, 0.1947



13.4113, 0.3152, 0.2234

Sweetspot

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



13.4119, 0.4269, 0.4737



28.2105, 0.3494, 0.3799



4.4259, 0.5409, 0.3102



6.6671, 0.3539, 0.3859



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.



13.4119, 0.4269, 0.4737



22.9352, 0.4411, 0.4841



14.1074, 0.3619, 0.5240



4.1879, 0.3257, 0.3473



14.5265, 0.4437, 0.4859



69.8936, 0.4451, 0.4848

Inverse Universe

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



2.6929, 0.1759, 0.1155



3.0209, 0.1568, 0.0788



2.7706, 0.2103, 0.1136



3.6607, 0.2995, 0.3100



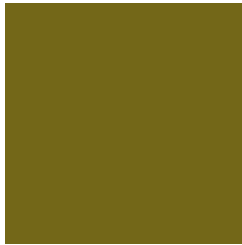
1.7901, 0.1539, 0.0740



7.9821, 0.1523, 0.0684

Previews

White Background



This preview shows how the Yxy color 13.4113, 0.4269, 0.4737 looks on a white background.

Color Contrast Check

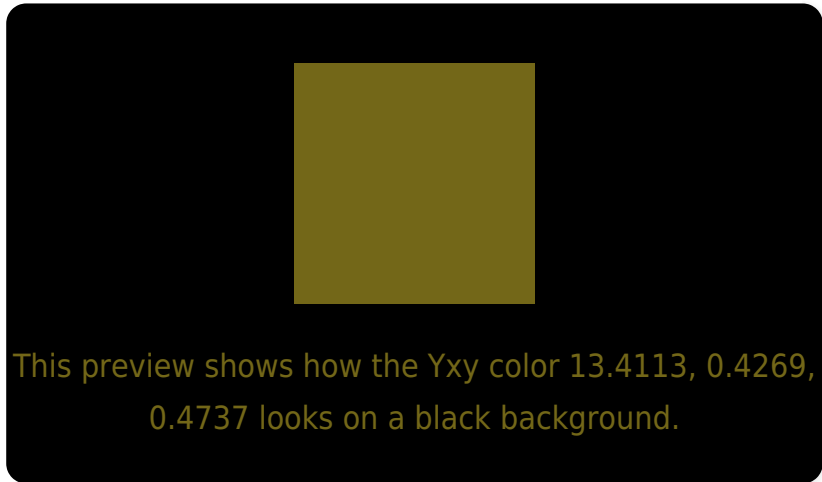
Large Text (above 18pt) WCAG AA ✓ Pass

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

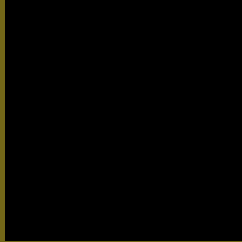
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4113, 0.4269, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 13.4113, 0.4269, 0.4737.



This preview shows how white text looks on a background with the Yxy color 13.4113, 0.4269, 0.4737.

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

13.4113, 0.4269, 0.4737

Protanopia

13.4113, 0.4269, 0.4737

Deuteranopia

13.2956, 0.4552, 0.4475



Tritanopia

13.4100, 0.3409, 0.3149

Trichromacy



Original Color

13.4113, 0.4269, 0.4737

Protanomaly

13.4113, 0.4269, 0.4737

Deuteranomaly

13.2833, 0.4453, 0.4564

Tritanomaly

13.3400, 0.3802, 0.3812

Monochromacy



Original Color

13.4113, 0.4269, 0.4737

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5123, 0.3598, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4113, 0.4269, 0.4737 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, 103, 24)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 24)  
}
```

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, 103, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 24) }
```

Border

The CSS property to change the border of an element to Yxy 13.4113, 0.4269, 0.4737 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, 103, 24) }
```

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

```
.border{ border-color:rgb(115, 103, 24) }
```

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

Here you see how a box with a 4 pixel rgb(115, 103, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 24);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4113, 0.4269, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 24) }
```

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

```
.background{ background-color: rgb(115,  
103, 24) }
```

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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