

Converting Colors

$Y_{xy}(13.4209, 0.4095, 0.4413)$

Have a look what the booklet for
Yxy(13.4209, 0.4095, 0.4413)
contains.

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Color

Yxy(13.4130, 0.4097, 0.4415)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 74662E |
| RGB | 116, 102, 46 |
| RGB Percent | 45%, 40%, 18% |
| CMY | 0.5451, 0.6000, 0.8195 |
| CMYK | 0.00, 0.12, 0.60, 0.55 |
| HSL | 48°, 43%, 32% |
| HSV | 48°, 60%, 45% |
| XYZ | 12.4469, 13.4130, 4.5206 |
| YIQ | 99.8020, 26.3200, -14.4480 |

Conversions

Conversions Part 2

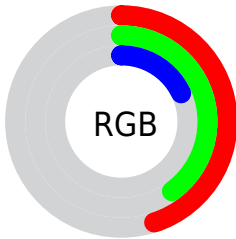
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 64, 116, 46 |
| Decimal | 7628334 |
| CIELab | 43.38, -2.04, 33.12 |
| CIELCh | 43, 33.187, 93.516 |
| Yxy | 13.4130, 0.4097, 0.4415 |
| Android (android.graphics.Color) | 4285818414 (0xFF74662E) |
| YUV | 99.8020, -26.5244, 14.2056 |
| Hunter-Lab | 36.6238, -3.4268, 18.3182 |

Details

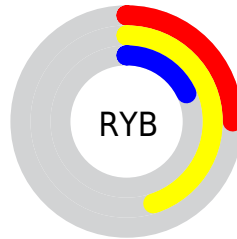
The Yxy color **13.4130, 0.4097, 0.4415** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.0762, 0.2094, 0.1802**, and the grayscale version is **12.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1367, 0.3878, 0.4155**, and **3.8562, 0.4455, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **12.8845, 0.4248, 0.4552**, and if you desaturate by 10%, it is **13.9802, 0.3934, 0.4251**.

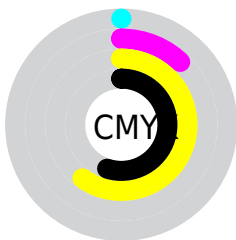
Distribution



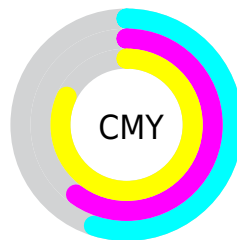
- Red (45%)
- Green (40%)
- Blue (18%)



- Red (25%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (12%)
- Yellow (60%)
- Black (55%)



- Cyan (55%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4130, 0.4097, 0.4415 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 13.4130, 0.4097, 0.4415 by changing the saturation by 10% instead.

13.4130, 0.4097,
0.4415

13.4130, 0.4097,
0.4415

213.5478, 0.3537,
0.3757

7.7136, 0.4252,
0.4605

32.0438, 0.3877,
0.4153

3.9122, 0.4482,
0.4890

45.7439, 0.3799,
0.4061

1.6246, 0.4752,
0.5248

62.8797, 0.3735,
0.3986

0.3741, 0.4498,
0.5502

83.8356, 0.3682,
0.3924

0.0000, 0.0000,
0.0000

108.9960, 0.3637,
0.3872

138.7452, 0.3599,

0.3828

173.4677, 0.3566,
0.3790

■ 13.4130, 0.4097,
0.4415

■ 13.4130, 0.4097,
0.4415

■ 12.8845, 0.4248,
0.4552

■ 13.9802, 0.3934,
0.4251

■ 12.3908, 0.4379,
0.4652

■ 14.5862, 0.3766,
0.4067

■ 11.9299, 0.4487,
0.4712

■ 15.2334, 0.3597,
0.3874

■ 11.5062, 0.4578,
0.4747

■ 15.9233, 0.3433,
0.3677

■ 16.6576, 0.3277,
0.3483

■ 17.4375, 0.3132,
0.3296

■ 18.2644, 0.2997,
0.3118

■ 19.1396, 0.2874,
0.2952

■ 20.0644, 0.2761,
0.2797

Harmonies

Analogous

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



13.4130, 0.4474, 0.3977



13.4130, 0.4097, 0.4415



13.4130, 0.3483, 0.4579

Triad

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



13.4130, 0.4097, 0.4415



13.4130, 0.1950, 0.2891



13.4130, 0.3342, 0.2529

Complementary

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



13.4130, 0.4097, 0.4415



5.0762, 0.2094, 0.1802

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.



13.4130, 0.2657, 0.2272



13.4130, 0.4097, 0.4415



13.4130, 0.1923, 0.2419

Square

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



13.4130, 0.4097, 0.4415



13.4130, 0.2254, 0.3594



13.4130, 0.2164, 0.2223



13.4130, 0.4034, 0.2946

Rectangle

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



13.4130, 0.4097, 0.4415



13.4130, 0.3028, 0.4433



13.4130, 0.2164, 0.2223



13.4130, 0.3101, 0.2423

Sweetspot

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



13.4136, 0.4097, 0.4415



28.2275, 0.3404, 0.3641



5.9954, 0.4509, 0.3005



6.6626, 0.3442, 0.3687



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.



13.4136, 0.4097, 0.4415



22.3398, 0.4296, 0.4591



15.1202, 0.3640, 0.4803



4.1479, 0.3258, 0.3459



12.8880, 0.4581, 0.4745



61.5809, 0.4606, 0.4725

Inverse Universe

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



5.0762, 0.2094, 0.1802



6.3543, 0.1870, 0.1428



4.4111, 0.2311, 0.1582



3.6976, 0.2995, 0.3115



2.0881, 0.1568, 0.0845



9.1746, 0.1548, 0.0773

Previews

White Background



This preview shows how the Yxy color 13.4130, 0.4097, 0.4415 looks on a white background.

Color Contrast Check

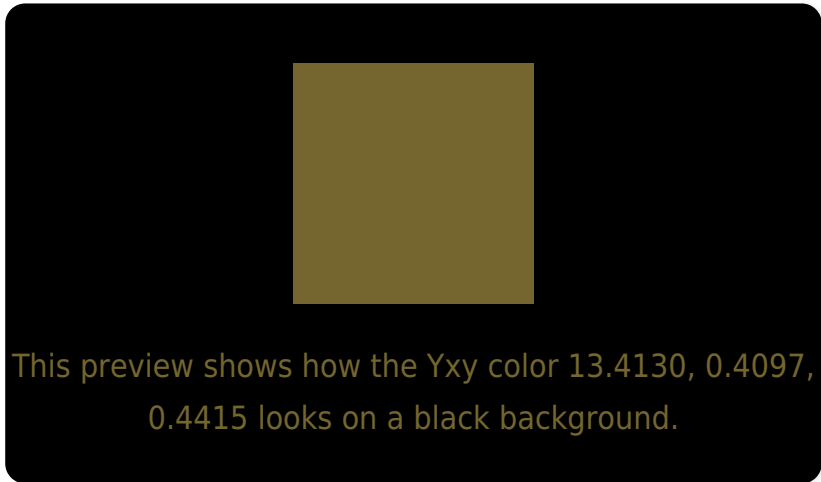
Large Text (above 18pt) WCAG AA ✓ Pass

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

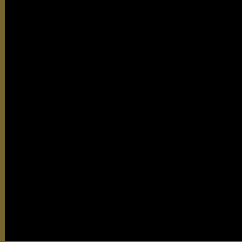
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4130, 0.4097, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 13.4130, 0.4097, 0.4415.



This preview shows how white text looks on a background with the Yxy color 13.4130, 0.4097, 0.4415.

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

13.4130, 0.4097, 0.4415

Protanopia

13.4752, 0.4054, 0.4448

Deuteranopia

13.4526, 0.4307, 0.4250



Tritanopia

13.4100, 0.3409, 0.3149

Trichromacy



Original Color

13.4130, 0.4097, 0.4415

Protanomaly

13.5426, 0.4070, 0.4440

Deuteranomaly

13.3399, 0.4232, 0.4296

Tritanomaly

13.2665, 0.3688, 0.3625

Monochromacy



Original Color

13.4130, 0.4097, 0.4415

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9507, 0.3496, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4130, 0.4097, 0.4415 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(116, 102, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 102, 46) }
```

Border

The CSS property to change the border of an element to Yxy 13.4130, 0.4097, 0.4415 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, 46) }
```

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

```
.border{ border-color:rgb(116, 102, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 102, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 102, 46);  
box-shadow:4px 4px 4px 4px rgb(116, 102,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4130, 0.4097, 0.4415 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, 46) }
```

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

```
.background{ background-color: rgb(116,  
102, 46) }
```

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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