

Converting Colors

$Y_{xy}(13.7221, 0.3873, 0.4945)$

Have a look what the booklet for
Yxy(13.7221, 0.3873, 0.4945)
contains.

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Color

Yxy(13.8423, 0.3872, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	626E1E
RGB	98, 110, 30
RGB Percent	38%, 43%, 12%
CMY	0.6156, 0.5686, 0.8823
CMYK	0.11, 0.00, 0.73, 0.57
HSL	69°, 57%, 27%
HSV	69°, 73%, 43%
XYZ	10.8497, 13.8423, 3.3289
YIQ	97.2920, 18.5280, -27.4240

Conversions

Conversions Part 2

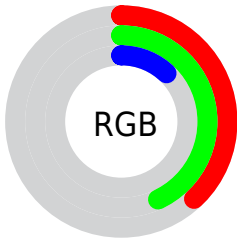
Format	Color
R_{YB}	30, 110, 42
Decimal	6450718
CIE Lab	44.01, -16.10, 40.92
CIE LCh	44, 43.974, 111.476
Yxy	13.8423, 0.3872, 0.4940
Android (android.graphics.Color)	4284640798 (0xFF626E1E)
YUV	97.2920, -33.1750, 0.6209
Hunter-Lab	37.2052, -13.0556, 20.7388

Details

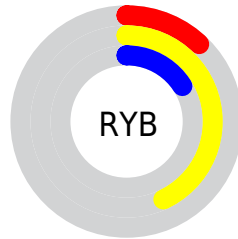
The Yxy color **13.8423, 0.3872, 0.4940** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5466, 0.1942, 0.1168**, and the grayscale version is **12.1113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9992, 0.3734, 0.4542**, and **4.0982, 0.3872, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **13.7055, 0.3915, 0.5082**, and if you desaturate by 10%, it is **14.0018, 0.3807, 0.4761**.

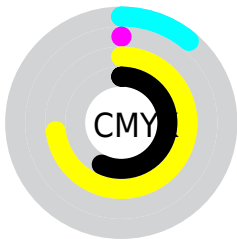
Distribution



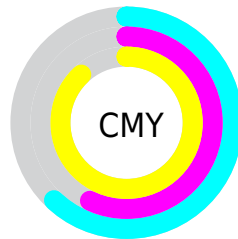
- Red (38%)
- Green (43%)
- Blue (12%)



- Red (12%)
- Yellow (43%)
- Blue (16%)



- Cyan (11%)
- Magenta (0%)
- Yellow (73%)
- Black (57%)




- Cyan (62%)
- Magenta (57%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8423, 0.3872, 0.4940 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 13.8423, 0.3872, 0.4940 by changing the saturation by 10% instead.


 13.8423, 0.3872,
0.4940


 13.8423, 0.3872,
0.4940


 216.2476, 0.3482,
0.3951

 8.0111, 0.3941,
0.5233


 32.8090, 0.3739,
0.4541


 4.1020, 0.4127,
0.5826

 46.7132, 0.3685,
0.4402


 1.7308, 0.3895,
0.6105


 64.0771, 0.3638,
0.4290

 0.4435, 0.0604,
0.9396


 85.2853, 0.3597,
0.4198


 0.0000, 0.0000,
0.0000


 110.7220, 0.3562,
0.4121


 140.7717, 0.3532,

0.4056


 175.8188, 0.3506,
0.4000


 13.8423, 0.3872,
0.4940


 13.8423, 0.3872,
0.4940


 13.7055, 0.3915,
0.5082


 14.0018, 0.3807,
0.4761


 13.5873, 0.3934,
0.5184

 14.1841, 0.3722,
0.4552

 13.5062, 0.3944,
0.5251

 14.3914, 0.3622,
0.4322

 14.6252, 0.3512,
0.4079

 14.8869, 0.3395,
0.3832

■ 15.1776, 0.3276,
0.3588

■ 15.4987, 0.3159,
0.3352

■ 15.8512, 0.3045,
0.3129

■ 16.2362, 0.2936,
0.2920

Harmonies

Analogous

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



13.8423, 0.4580, 0.4472



13.8423, 0.3872, 0.4940



13.8423, 0.3018, 0.4873

Triad

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



13.8423, 0.3872, 0.4940



13.8423, 0.1596, 0.2350



13.8423, 0.3963, 0.2616

Complementary

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



13.8423, 0.3872, 0.4940



2.5466, 0.1942, 0.1168

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.



13.8423, 0.3015, 0.2181



13.8423, 0.3872, 0.4940



13.8423, 0.1761, 0.2000

Square

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



13.8423, 0.3872, 0.4940



13.8423, 0.1746, 0.3080



13.8423, 0.2234, 0.1961



13.8423, 0.4715, 0.3193

Rectangle

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



13.8423, 0.3872, 0.4940



13.8423, 0.2476, 0.4414



13.8423, 0.2234, 0.1961



13.8423, 0.3647, 0.2451

Sweetspot

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



13.8429, 0.3872, 0.4940



26.1529, 0.3393, 0.3829



4.9721, 0.5238, 0.3498



6.0645, 0.3416, 0.3876



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8429, 0.3872, 0.4940



23.9314, 0.3930, 0.5154



12.1849, 0.3319, 0.5298



3.8922, 0.3232, 0.3499



16.2169, 0.3941, 0.5253



80.4876, 0.3927, 0.5264

Inverse Universe

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



2.5466, 0.1942, 0.1168



2.8244, 0.1701, 0.0809



3.7895, 0.2599, 0.1482



3.3222, 0.3017, 0.3075



1.4804, 0.1583, 0.0646



7.1305, 0.1552, 0.0628

Previews

White Background



This preview shows how the Yxy color 13.8423, 0.3872, 0.4940 looks on a white background.

Color Contrast Check

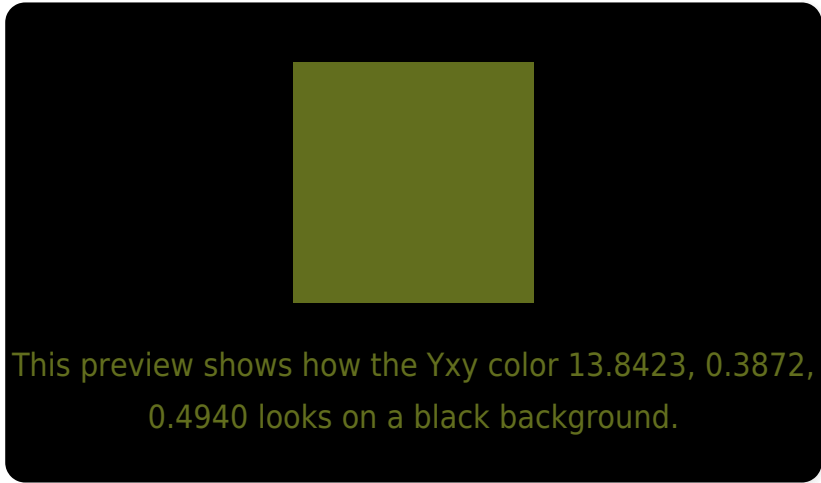
Large Text (above 18pt) WCAG AA ✓ Pass

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

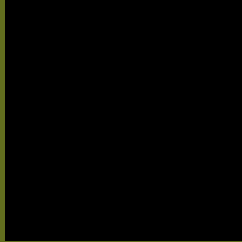
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8423, 0.3872, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 13.8423, 0.3872, 0.4940.



This preview shows how white text looks on a background with the Yxy color 13.8423, 0.3872, 0.4940.

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

13.8423, 0.3872, 0.4940

Protanopia

13.7712, 0.4249, 0.4678

Deuteranopia

13.7909, 0.4467, 0.4409



Tritanopia

13.9124, 0.3065, 0.3121

Trichromacy



Original Color

13.8423, 0.3872, 0.4940

Protanomaly

13.7118, 0.4113, 0.4777

Deuteranomaly

13.6619, 0.4245, 0.4605

Tritanomaly

13.8008, 0.3402, 0.3826

Monochromacy



Original Color

13.8423, 0.3872, 0.4940

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.5252, 0.3449, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8423, 0.3872, 0.4940 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(98, 110, 30)` looks like.

```
.text, #text, p{  
    color:rgb(98, 110, 30)  
}
```

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(98, 110, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 110, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.8423, 0.3872, 0.4940 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(98, 110, 30) }
```

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

```
.border{ border-color:rgb(98, 110, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 110, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 110, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 110, 30);  
box-shadow:4px 4px 4px 4px rgb(98, 110,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8423, 0.3872, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 110, 30) }
```

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

```
.background{ background-color: rgb(98, 110,  
30) }
```

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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