

Converting Colors

$Y_{xy}(13.6536, 0.4043, 0.4664)$

Have a look what the booklet for
Yxy(13.6536, 0.4043, 0.4664)
contains.

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Color

Yxy(13.7566, 0.4047, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	6E6A25
RGB	110, 106, 37
RGB Percent	43%, 42%, 15%
CMY	0.5686, 0.5843, 0.8550
CMYK	0.00, 0.04, 0.66, 0.57
HSL	57°, 50%, 29%
HSV	57°, 66%, 43%
XYZ	11.9189, 13.7566, 3.7756
YIQ	99.3300, 24.5330, -20.6110

Conversions

Conversions Part 2

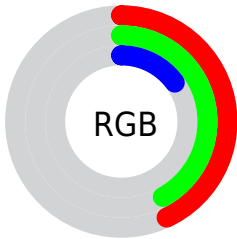
Format	Color
R_{YB}	41, 110, 37
Decimal	7236133
CIE _{Lab}	43.88, -7.85, 38.03
CIE _{LCh}	44, 38.827, 101.657
Yxy	13.7566, 0.4047, 0.4671
Android (android.graphics.Color)	4285426213 (0xFF6E6A25)
YUV	99.3300, -30.7287, 9.3576
Hunter-Lab	37.0899, -7.5463, 19.9274

Details

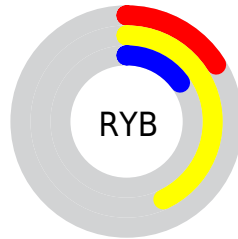
The Yxy color **13.7566, 0.4047, 0.4671** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.1040, 0.1934, 0.1374**, and the grayscale version is **12.6397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6783, 0.3857, 0.4339**, and **4.0886, 0.4219, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **13.5743, 0.4143, 0.4803**, and if you desaturate by 10%, it is **13.9619, 0.3931, 0.4505**.

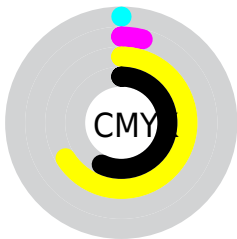
Distribution



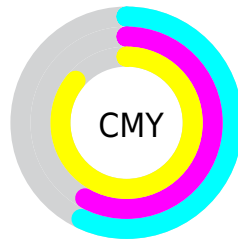
- Red (43%)
- Green (42%)
- Blue (15%)



- Red (16%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (4%)
- Yellow (66%)
- Black (57%)





- Cyan (57%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7566, 0.4047, 0.4671 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 13.7566, 0.4047, 0.4671 by changing the saturation by 10% instead.


 13.7566, 0.4047,
0.4671


 13.7566, 0.4047,
0.4671


215.7113, 0.3535,
0.3858


 7.9516, 0.4169,
0.4904


 32.6565, 0.3856,
0.4348


 4.0640, 0.4394,
0.5318

 46.5202, 0.3785,
0.4234

 1.7094, 0.4405,
0.5595

 63.8389, 0.3725,
0.4142

 0.4297, 0.3355,
0.6645

 84.9970, 0.3675,
0.4065

 0.0000, 0.0000,
0.0000

 110.3789, 0.3632,
0.4001

 140.3690, 0.3595,

0.3946

175.3517, 0.3563,
0.3899

13.7566, 0.4047,
0.4671

13.7566, 0.4047,
0.4671

13.5743, 0.4143,
0.4803

13.9619, 0.3931,
0.4505

13.4111, 0.4216,
0.4896

14.1900, 0.3799,
0.4312

13.2632, 0.4269,
0.4957

14.4430, 0.3656,
0.4100

13.2105, 0.4288,
0.4978

14.7223, 0.3509,
0.3878

15.0293, 0.3361,
0.3652

■ 15.3651, 0.3216,
0.3429

■ 15.7309, 0.3078,
0.3213

■ 16.1277, 0.2947,
0.3009

■ 16.5565, 0.2826,
0.2817

Harmonies

Analogous

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



13.7566, 0.4585, 0.4199



13.7566, 0.4047, 0.4671



13.7566, 0.3303, 0.4767

Triad

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



13.7566, 0.4047, 0.4671



13.7566, 0.1753, 0.2638



13.7566, 0.3599, 0.2537

Complementary

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



13.7566, 0.4047, 0.4671



3.1040, 0.1934, 0.1374

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.



13.7566, 0.2778, 0.2196



13.7566, 0.4047, 0.4671



13.7566, 0.1809, 0.2202

Square

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



13.7566, 0.4047, 0.4671



13.7566, 0.2000, 0.3395



13.7566, 0.2153, 0.2071



13.7566, 0.4357, 0.3035

Rectangle

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



13.7566, 0.4047, 0.4671



13.7566, 0.2791, 0.4496



13.7566, 0.2153, 0.2071



13.7566, 0.3316, 0.2402

Sweetspot

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



13.7572, 0.4047, 0.4671



26.1607, 0.3422, 0.3746



4.8036, 0.4999, 0.3198



6.0617, 0.3453, 0.3793



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.



13.7572, 0.4047, 0.4671



23.6668, 0.4188, 0.4861



12.9221, 0.3525, 0.5015



3.8864, 0.3254, 0.3487



15.8538, 0.4288, 0.4977



78.5571, 0.4294, 0.4972

Inverse Universe

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



3.1040, 0.1934, 0.1374



3.4239, 0.1690, 0.0959



3.6995, 0.2384, 0.1494



3.3272, 0.2996, 0.3085



1.4952, 0.1516, 0.0656



7.0397, 0.1507, 0.0624

Previews

White Background



This preview shows how the Yxy color 13.7566, 0.4047, 0.4671 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



This preview shows how the Yxy color 13.7566, 0.4047, 0.4671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

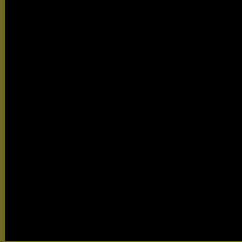
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7566, 0.4047, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 13.7566, 0.4047, 0.4671.



This preview shows how white text looks on a background with the Yxy color 13.7566, 0.4047, 0.4671.

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

13.7566, 0.4047, 0.4671

Protanopia

13.7410, 0.4174, 0.4599

Deuteranopia

13.7373, 0.4413, 0.4367



Tritanopia

13.6982, 0.3268, 0.3126

Trichromacy



Original Color

13.7566, 0.4047, 0.4671

Protanomaly

13.8079, 0.4130, 0.4633

Deuteranomaly

13.7803, 0.4275, 0.4487

Tritanomaly

13.6893, 0.3588, 0.3717

Monochromacy



Original Color

13.7566, 0.4047, 0.4671

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.9081, 0.3501, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7566, 0.4047, 0.4671 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(110, 106, 37)` looks like.

```
.text, #text, p{  
    color:rgb(110, 106, 37)  
}
```

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(110, 106, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 106, 37) }
```

Border

The CSS property to change the border of an element to Yxy 13.7566, 0.4047, 0.4671 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(110, 106, 37) }
```

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

```
.border{ border-color:rgb(110, 106, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 106, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 106, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 106, 37); box-shadow:4px 4px 4px 4px rgb(110, 106, 37) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7566, 0.4047, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 106, 37) }
```

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

```
.background{ background-color: rgb(110,  
106, 37) }
```

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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