

Converting Colors

$Y_{xy}(16.3231, 0.3886, 0.4082)$

Have a look what the booklet for
Yxy(16.3231, 0.3886, 0.4082)
contains.

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Color

Yxy(16.3231, 0.3886, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	7F6F46
RGB	127, 111, 70
RGB Percent	50%, 44%, 27%
CMY	0.5021, 0.5647, 0.7255
CMYK	0.00, 0.13, 0.45, 0.50
HSL	43°, 29%, 39%
HSV	43°, 45%, 50%
XYZ	15.5393, 16.3231, 8.1256
YIQ	111.1100, 22.6970, -9.3590

Conversions

Conversions Part 2

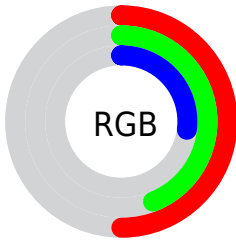
Format	Color
RYB	92, 127, 70
Decimal	8351558
CIELab	47.40, 0.15, 25.10
CIELCh	47, 25.100, 89.669
Yxy	16.3231, 0.3886, 0.4082
Android (android.graphics.Color)	4286541638 (0xFF7F6F46)
YUV	111.1100, -20.2672, 13.9355
Hunter-Lab	40.4019, -2.0487, 16.3570

Details

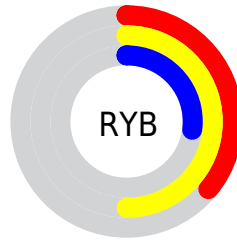
The Yxy color **16.3231, 0.3886, 0.4082** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4827, 0.2387, 0.2338**, and the grayscale version is **15.9846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3501, 0.3711, 0.3906**, and **5.2735, 0.4180, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **15.4191, 0.4074, 0.4245**, and if you desaturate by 10%, it is **17.2934, 0.3700, 0.3906**.

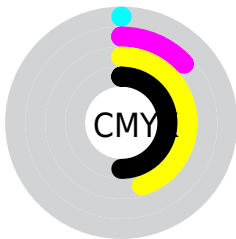
Distribution



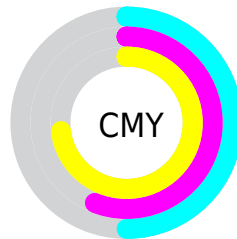
- Red (50%)
- Green (44%)
- Blue (27%)



- Red (36%)
- Yellow (50%)
- Blue (27%)



- Cyan (0%)
- Magenta (13%)
- Yellow (45%)
- Black (50%)





- Cyan (50%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3231, 0.3886, 0.4082 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 16.3231, 0.3886, 0.4082 by changing the saturation by 10% instead.


 16.3231, 0.3886,
0.4082


 16.3231, 0.3886,
0.4082


231.2408, 0.3448,
0.3625


 9.7531, 0.4016,
0.4217


 37.1582, 0.3711,
0.3900


 5.2355, 0.4193,
0.4401

 52.1921, 0.3651,
0.3837


 2.3861, 0.4547,
0.4769

 70.8161, 0.3601,
0.3785

 0.8187, 0.4884,
0.5116

 93.4145, 0.3560,
0.3742

 0.0000, 0.0000,
0.0000

 120.3718, 0.3525,
0.3706

152.0723, 0.3496,

0.3675

188.9005, 0.3470,
0.3648

■ 16.3231, 0.3886,
0.4082

■ 16.3231, 0.3886,
0.4082

■ 15.4191, 0.4074,
0.4245

■ 17.2934, 0.3700,
0.3906

■ 14.5767, 0.4258,
0.4385

■ 18.3301, 0.3521,
0.3726

■ 13.7939, 0.4430,
0.4493

■ 19.4362, 0.3353,
0.3546

■ 13.0675, 0.4581,
0.4562

■ 20.6135, 0.3198,
0.3372

■ 12.3931, 0.4707,
0.4587

■ 21.8641, 0.3056,
0.3206

■ 12.0614, 0.4770,
0.4594

■ 23.1899, 0.2927,
0.3051

■ 24.5924, 0.2811,
0.2906

■ 26.0735, 0.2707,
0.2773

■ 27.6348, 0.2614,
0.2650

Harmonies

Analogous

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



16.3231, 0.4109, 0.3773



16.3231, 0.3886, 0.4082



16.3231, 0.3466, 0.4193

Triad

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



16.3231, 0.3886, 0.4082



16.3231, 0.2283, 0.3082



16.3231, 0.3222, 0.2697

Complementary

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



16.3231, 0.3886, 0.4082



9.4827, 0.2387, 0.2338

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.



16.3231, 0.2739, 0.2522



16.3231, 0.3886, 0.4082



16.3231, 0.2229, 0.2705

Square

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



16.3231, 0.3886, 0.4082



16.3231, 0.2546, 0.3576



16.3231, 0.2388, 0.2517



16.3231, 0.3715, 0.3003

Rectangle

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



16.3231, 0.3886, 0.4082



16.3231, 0.3138, 0.4104



16.3231, 0.2388, 0.2517



16.3231, 0.3053, 0.2622

Sweetspot

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



16.3239, 0.3886, 0.4082



35.1423, 0.3328, 0.3518



9.5643, 0.3920, 0.2970



8.1355, 0.3359, 0.3552



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.3239, 0.3886, 0.4082



27.5598, 0.4082, 0.4251



19.2338, 0.3602, 0.4409



4.8221, 0.3262, 0.3445



12.1673, 0.4771, 0.4594



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4827, 0.2387, 0.2338



13.6599, 0.2203, 0.2069



7.7210, 0.2487, 0.2016



4.3927, 0.2993, 0.3131



2.7901, 0.1612, 0.1003



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3231, 0.3886, 0.4082 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 16.3231, 0.3886, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

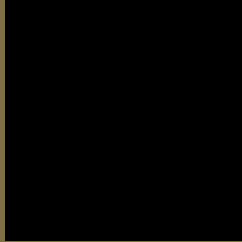
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3231, 0.3886, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 16.3231, 0.3886, 0.4082.



This preview shows how white text looks on a background with the Yxy color 16.3231, 0.3886, 0.4082.

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

16.3231, 0.3886, 0.4082

Protanopia

16.4761, 0.3800, 0.4116

Deuteranopia

16.2046, 0.4039, 0.3955



Tritanopia

16.3483, 0.3372, 0.3141

Trichromacy



Original Color

16.3231, 0.3886, 0.4082

Protanomaly

16.3284, 0.3822, 0.4094

Deuteranomaly

16.1666, 0.3987, 0.3985

Tritanomaly

16.3528, 0.3572, 0.3483

Monochromacy



Original Color

16.3231, 0.3886, 0.4082

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9953, 0.3402, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3231, 0.3886, 0.4082 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(127, 111, 70)` looks like.

```
.text, #text, p{  
    color:rgb(127, 111, 70)  
}
```

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(127, 111, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 111, 70) }
```

Border

The CSS property to change the border of an element to Yxy 16.3231, 0.3886, 0.4082 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(127, 111, 70) }
```

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

```
.border{ border-color:rgb(127, 111, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 111, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 111, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 111, 70);  
box-shadow:4px 4px 4px 4px rgb(127, 111,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3231, 0.3886, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 111, 70) }
```

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

```
.background{ background-color: rgb(127,  
111, 70) }
```

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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