

Converting Colors

$Yxy(16.2217, 0.4024, 0.4372)$

Have a look what the booklet for
Yxy(16.2217, 0.4024, 0.4372)
contains.

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Color

Yxy(16.2242, 0.4025, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	7D7037
RGB	125, 112, 55
RGB Percent	49%, 44%, 22%
CMY	0.5097, 0.5608, 0.7843
CMYK	0.00, 0.10, 0.56, 0.51
HSL	49°, 39%, 35%
HSV	49°, 56%, 49%
XYZ	14.9433, 16.2242, 5.9588
YIQ	109.3890, 26.0450, -14.9710

Conversions

Conversions Part 2

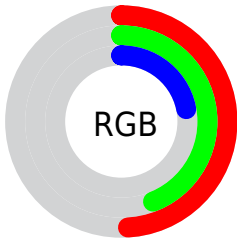
Format	Color
R_{YB}	71, 125, 55
Decimal	8220727
CIE _{Lab}	47.27, -2.84, 33.15
CIE _{LCh}	47, 33.270, 94.902
Yxy	16.2242, 0.4025, 0.4370
Android (android.graphics.Color)	4286410807 (0xFF7D7037)
YUV	109.3890, -26.8138, 13.6908
Hunter-Lab	40.2793, -4.2664, 19.4243

Details

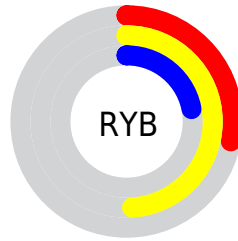
The Yxy color **16.2242, 0.4025, 0.4370** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.4309, 0.2158, 0.1889**, and the grayscale version is **15.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1341, 0.3820, 0.4128**, and **5.2540, 0.4324, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **15.6134, 0.4178, 0.4521**, and if you desaturate by 10%, it is **16.8802, 0.3861, 0.4194**.

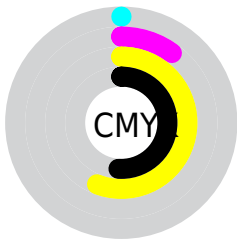
Distribution



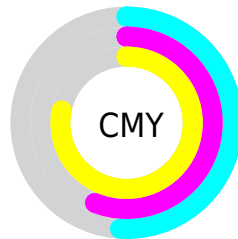
- Red (49%)
- Green (44%)
- Blue (22%)



- Red (28%)
- Yellow (49%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (56%)
- Black (51%)




- Cyan (51%)
- Magenta (56%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2242, 0.4025, 0.4370 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 16.2242, 0.4025, 0.4370 by changing the saturation by 10% instead.


 16.2242, 0.4025,
0.4370

 16.2242, 0.4025,
0.4370


 230.6611, 0.3519,
0.3750


 9.6829, 0.4162,
0.4546


 36.9870, 0.3830,
0.4126


 5.1892, 0.4334,
0.4775

 51.9773, 0.3759,
0.4040

 2.3587, 0.4723,
0.5277

 70.5528, 0.3701,
0.3969

 0.8045, 0.4636,
0.5364

 93.0978, 0.3652,
0.3911

 0.0000, 0.0000,
0.0000

 119.9967, 0.3611,
0.3861

 151.6340, 0.3576,

0.3819

188.3940, 0.3545,
0.3782

■ 16.2242, 0.4025,
0.4370

■ 16.2242, 0.4025,
0.4370

■ 15.6134, 0.4178,
0.4521

■ 16.8802, 0.3861,
0.4194

■ 15.0430, 0.4314,
0.4639

■ 17.5813, 0.3693,
0.4001

■ 14.5110, 0.4427,
0.4717

■ 18.3302, 0.3527,
0.3801

■ 14.0125, 0.4516,
0.4755

■ 19.1288, 0.3366,
0.3600

■ 13.8184, 0.4551,
0.4768

■ 19.9788, 0.3214,
0.3404

■ 20.8820, 0.3072,
0.3216

■ 21.8397, 0.2941,
0.3039

■ 22.8535, 0.2821,
0.2873

■ 23.9249, 0.2713,
0.2720

Harmonies

Analogous

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



16.2242, 0.4390, 0.3970



16.2242, 0.4025, 0.4370



16.2242, 0.3440, 0.4496

Triad

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



16.2242, 0.4025, 0.4370



16.2242, 0.2004, 0.2893



16.2242, 0.3363, 0.2584

Complementary

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



16.2242, 0.4025, 0.4370



6.4309, 0.2158, 0.1889

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.



16.2242, 0.2712, 0.2330



16.2242, 0.4025, 0.4370



16.2242, 0.1989, 0.2455

Square

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



16.2242, 0.4025, 0.4370



16.2242, 0.2284, 0.3545



16.2242, 0.2231, 0.2276



16.2242, 0.4007, 0.2988

Rectangle

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



16.2242, 0.4025, 0.4370



16.2242, 0.3009, 0.4341



16.2242, 0.2231, 0.2276



16.2242, 0.3136, 0.2480

Sweetspot

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



16.2250, 0.4025, 0.4370



34.0372, 0.3388, 0.3628



7.5239, 0.4372, 0.3018



7.6902, 0.3413, 0.3660



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.2250, 0.4025, 0.4370



27.6766, 0.4216, 0.4556



17.8918, 0.3617, 0.4712



4.8877, 0.3260, 0.3464



14.4083, 0.4552, 0.4768



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.4309, 0.2158, 0.1889



8.3551, 0.1937, 0.1526



5.7508, 0.2375, 0.1697



4.3312, 0.2993, 0.3109



2.1869, 0.1560, 0.0815



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.2242, 0.4025, 0.4370 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 16.2242, 0.4025, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

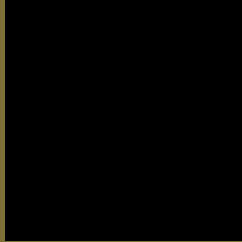
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2242, 0.4025, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 16.2242, 0.4025, 0.4370.



This preview shows how white text looks on a background with the Yxy color 16.2242, 0.4025, 0.4370.

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

16.2242, 0.4025, 0.4370

Protanopia

16.1493, 0.4010, 0.4377

Deuteranopia

16.2042, 0.4256, 0.4192



Tritanopia

16.2688, 0.3358, 0.3140

Trichromacy



Original Color

16.2242, 0.4025, 0.4370

Protanomaly

16.1493, 0.4010, 0.4377

Deuteranomaly

16.2093, 0.4162, 0.4255

Tritanomaly

16.1046, 0.3613, 0.3583

Monochromacy



Original Color

16.2242, 0.4025, 0.4370

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.5180, 0.3469, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2242, 0.4025, 0.4370 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(125, 112, 55)` looks like.

```
.text, #text, p{  
    color:rgb(125, 112, 55)  
}
```

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(125, 112, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 112, 55) }
```

Border

The CSS property to change the border of an element to Yxy 16.2242, 0.4025, 0.4370 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(125, 112, 55) }
```

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

```
.border{ border-color:rgb(125, 112, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 112, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 112, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 112, 55);  
box-shadow:4px 4px 4px 4px rgb(125, 112,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2242, 0.4025, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 112, 55) }
```

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

```
.background{ background-color: rgb(125,  
112, 55) }
```

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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