

Converting Colors

$Y_{xy}(13.7664, 0.4025, 0.4406)$

Have a look what the booklet for
Yxy(13.7664, 0.4025, 0.4406)
contains.

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Color

Yxy(13.7672, 0.4025, 0.4407)

Conversions

Conversions Part 1

Format	Color
Hex	736831
RGB	115, 104, 49
RGB Percent	45%, 41%, 19%
CMY	0.5491, 0.5921, 0.8079
CMYK	0.00, 0.10, 0.57, 0.55
HSL	50°, 40%, 32%
HSV	50°, 57%, 45%
XYZ	12.5739, 13.7672, 4.8983
YIQ	101.0190, 24.2110, -14.7730

Conversions

Conversions Part 2

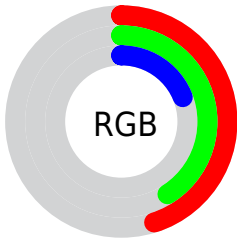
Format	Color
RYB	62, 115, 49
Decimal	7563313
CIELab	43.90, -3.41, 32.14
CIElCh	44, 32.320, 96.054
Yxy	13.7672, 0.4025, 0.4407
Android (android.graphics.Color)	4285753393 (0xFF736831)
YUV	101.0190, -25.6454, 12.2613
Hunter-Lab	37.1042, -4.4423, 18.1457

Details

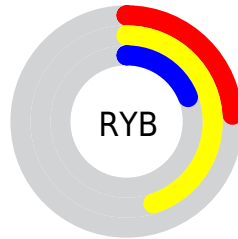
The Yxy color **13.7672, 0.4025, 0.4407** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.1186, 0.2135, 0.1829**, and the grayscale version is **13.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7408, 0.3827, 0.4144**, and **4.0523, 0.4386, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **13.3019, 0.4170, 0.4557**, and if you desaturate by 10%, it is **14.2673, 0.3868, 0.4231**.

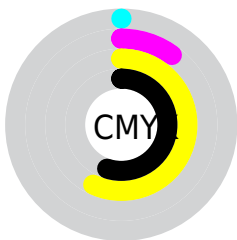
Distribution



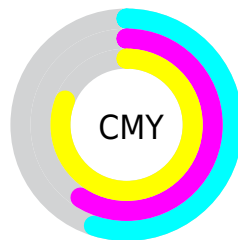
- Red (45%)
- Green (41%)
- Blue (19%)



- Red (24%)
- Yellow (45%)
- Blue (19%)



- Cyan (0%)
- Magenta (10%)
- Yellow (57%)
- Black (55%)





- Cyan (55%)
- Magenta (59%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7672, 0.4025, 0.4407 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 13.7672, 0.4025, 0.4407 by changing the saturation by 10% instead.


 13.7672, 0.4025,
0.4407


 13.7672, 0.4025,
0.4407


215.7777, 0.3508,
0.3750


 7.9589, 0.4168,
0.4601


 32.6754, 0.3823,
0.4144

 4.0687, 0.4365,
0.4876

 46.5441, 0.3751,
0.4052


 1.7121, 0.4672,
0.5328

 63.8684, 0.3692,
0.3978

 0.4314, 0.4310,
0.5690

 85.0327, 0.3642,
0.3916

 0.0000, 0.0000,
0.0000

 110.4214, 0.3601,
0.3865

 140.4189, 0.3566,

0.3821

175.4095, 0.3535,
0.3783

■ 13.7672, 0.4025,
0.4407

■ 13.7672, 0.4025,
0.4407

■ 13.3019, 0.4170,
0.4557

■ 14.2673, 0.3868,
0.4231

■ 12.8675, 0.4296,
0.4673

■ 14.8021, 0.3706,
0.4038

■ 12.4624, 0.4400,
0.4750

■ 15.3738, 0.3543,
0.3837

■ 12.0809, 0.4484,
0.4793

■ 15.9840, 0.3385,
0.3633

■ 11.9835, 0.4506,
0.4804

■ 16.6340, 0.3233,
0.3433

■ 17.3251, 0.3091,
0.3241

■ 18.0587, 0.2960,
0.3059

■ 18.8359, 0.2839,
0.2889

■ 19.6578, 0.2729,
0.2731

Harmonies

Analogous

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



13.7672, 0.4413, 0.4001



13.7672, 0.4025, 0.4407



13.7672, 0.3420, 0.4526

Triad

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



13.7672, 0.4025, 0.4407



13.7672, 0.1973, 0.2859



13.7672, 0.3395, 0.2581

Complementary

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



13.7672, 0.4025, 0.4407



5.1186, 0.2135, 0.1829

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.



13.7672, 0.2724, 0.2316



13.7672, 0.4025, 0.4407



13.7672, 0.1969, 0.2422

Square

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



13.7672, 0.4025, 0.4407



13.7672, 0.2247, 0.3523



13.7672, 0.2225, 0.2251



13.7672, 0.4051, 0.2998

Rectangle

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



13.7672, 0.4025, 0.4407



13.7672, 0.2979, 0.4355



13.7672, 0.2225, 0.2251



13.7672, 0.3161, 0.2473

Sweetspot

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



13.7678, 0.4025, 0.4407



28.6217, 0.3385, 0.3634



6.1656, 0.4460, 0.3062



6.7875, 0.3409, 0.3665



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.



13.7678, 0.4025, 0.4407



23.5517, 0.4215, 0.4601



14.8079, 0.3591, 0.4750



4.1675, 0.3258, 0.3466



13.6754, 0.4508, 0.4803



65.5686, 0.4528, 0.4787

Inverse Universe

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



5.1186, 0.2135, 0.1829



6.4697, 0.1901, 0.1443



4.7719, 0.2395, 0.1684



3.6794, 0.2995, 0.3108



1.9286, 0.1553, 0.0789



8.5228, 0.1535, 0.0725

Previews

White Background



This preview shows how the Yxy color 13.7672, 0.4025, 0.4407 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 13.7672, 0.4025, 0.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

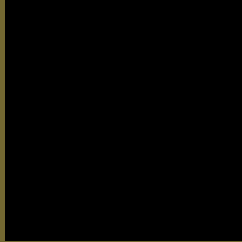
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7672, 0.4025, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 13.7672, 0.4025, 0.4407.



This preview shows how white text looks on a background with the Yxy color 13.7672, 0.4025, 0.4407.

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

13.7672, 0.4025, 0.4407

Protanopia

13.7672, 0.4025, 0.4407

Deuteranopia

13.7432, 0.4274, 0.4213



Tritanopia

13.7690, 0.3344, 0.3129

Trichromacy



Original Color

13.7672, 0.4025, 0.4407

Protanomaly

13.7672, 0.4025, 0.4407

Deuteranomaly

13.7486, 0.4172, 0.4282

Tritanomaly

13.6218, 0.3617, 0.3604

Monochromacy



Original Color

13.7672, 0.4025, 0.4407

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1761, 0.3464, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7672, 0.4025, 0.4407 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(115, 104, 49)` looks like.

```
.text, #text, p{  
    color:rgb(115, 104, 49)  
}
```

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(115, 104, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 104, 49) }
```

Border

The CSS property to change the border of an element to Yxy 13.7672, 0.4025, 0.4407 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(115, 104, 49) }
```

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

```
.border{ border-color:rgb(115, 104, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 104, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 104, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 104, 49);  
box-shadow:4px 4px 4px 4px rgb(115, 104,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7672, 0.4025, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 104, 49) }
```

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

```
.background{ background-color: rgb(115,  
104, 49) }
```

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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