

Converting Colors

$Y_{xy}(13.1719, 0.4002, 0.4091)$

Have a look what the booklet for
Yxy(13.1719, 0.4002, 0.4091)
contains.

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Color

Yxy(13.1719, 0.4002, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	77633C
RGB	119, 99, 60
RGB Percent	47%, 39%, 24%
CMY	0.5333, 0.6118, 0.7647
CMYK	0.00, 0.17, 0.50, 0.53
HSL	40°, 33%, 35%
HSV	40°, 50%, 47%
XYZ	12.8853, 13.1719, 6.1400
YIQ	100.5340, 24.4390, -7.8890

Conversions

Conversions Part 2

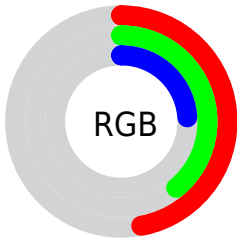
Format	Color
RYB	90, 119, 60
Decimal	7824188
CIELab	43.02, 2.45, 25.07
CIELCh	43, 25.186, 84.408
Yxy	13.1719, 0.4002, 0.4091
Android (android.graphics.Color)	4286014268 (0xFF77633C)
YUV	100.5340, -19.9833, 16.1947
Hunter-Lab	36.2931, -0.1391, 15.3746

Details

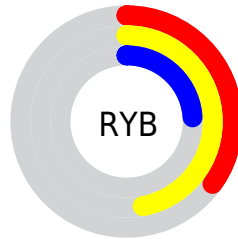
The Yxy color **13.1719, 0.4002, 0.4091** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0316, 0.2326, 0.2316**, and the grayscale version is **12.9359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7796, 0.3793, 0.3908**, and **3.8488, 0.4391, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **12.3151, 0.4205, 0.4234**, and if you desaturate by 10%, it is **14.0965, 0.3802, 0.3933**.

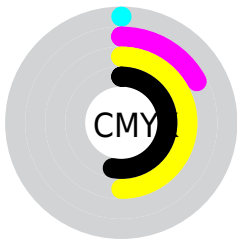
Distribution



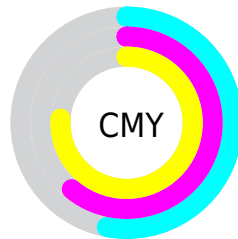
- Red (47%)
- Green (39%)
- Blue (24%)



- Red (35%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (17%)
- Yellow (50%)
- Black (53%)





- Cyan (53%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1719, 0.4002, 0.4091 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 13.1719, 0.4002, 0.4091 by changing the saturation by 10% instead.


 13.1719, 0.4002,
0.4091


 13.1719, 0.4002,
0.4091


212.0164, 0.3481,
0.3621


 7.5470, 0.4164,
0.4232


 31.6123, 0.3789,
0.3902


 3.8065, 0.4389,
0.4422

 45.1965, 0.3717,
0.3836


 1.5659, 0.5019,
0.4981

 62.2027, 0.3658,
0.3783

 0.3345, 0.5304,
0.4696

 83.0153, 0.3610,
0.3739

 0.0000, 0.0000,
0.0000

 108.0185, 0.3570,
0.3703

 137.5968, 0.3536,

0.3671

172.1347, 0.3507,
0.3644

■ 13.1719, 0.4002,
0.4091

■ 13.1719, 0.4002,
0.4091

■ 12.3151, 0.4205,
0.4234

■ 14.0965, 0.3802,
0.3933

■ 11.5217, 0.4405,
0.4351

■ 15.0892, 0.3612,
0.3767

■ 10.7895, 0.4592,
0.4433

■ 16.1529, 0.3433,
0.3601

■ 10.1157, 0.4756,
0.4472

■ 17.2895, 0.3270,
0.3439

■ 9.4910, 0.4907,
0.4480

■ 18.5009, 0.3121,
0.3283

■ 9.4648, 0.4913,
0.4481

■ 19.7890, 0.2987,
0.3137

■ 21.1555, 0.2867,
0.3001

■ 22.6020, 0.2759,
0.2875

■ 24.1302, 0.2664,
0.2759

Harmonies

Analogous

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



13.1719, 0.4197, 0.3732



13.1719, 0.4002, 0.4091



13.1719, 0.3576, 0.4265

Triad

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



13.1719, 0.4002, 0.4091



13.1719, 0.2255, 0.3150



13.1719, 0.3131, 0.2611

Complementary

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



13.1719, 0.4002, 0.4091



8.0316, 0.2326, 0.2316

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.



13.1719, 0.2630, 0.2454



13.1719, 0.4002, 0.4091



13.1719, 0.2160, 0.2715

Square

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



13.1719, 0.4002, 0.4091



13.1719, 0.2571, 0.3692



13.1719, 0.2290, 0.2481



13.1719, 0.3674, 0.2916

Rectangle

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



13.1719, 0.4002, 0.4091



13.1719, 0.3228, 0.4213



13.1719, 0.2290, 0.2481



13.1719, 0.2952, 0.2540

Sweetspot

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



13.1725, 0.4002, 0.4091



29.7622, 0.3363, 0.3532



7.7440, 0.3949, 0.2859



6.9719, 0.3391, 0.3560



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.1725, 0.4002, 0.4091



21.9164, 0.4224, 0.4246



16.8444, 0.3696, 0.4491



4.0671, 0.3261, 0.3430



10.0380, 0.4916, 0.4479



47.2831, 0.4965, 0.4440

Inverse Universe

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



8.0316, 0.2326, 0.2316



11.6315, 0.2144, 0.2054



5.8252, 0.2353, 0.1855



3.7741, 0.2995, 0.3146



3.0352, 0.1654, 0.1155



13.3478, 0.1629, 0.1062

Previews

White Background



This preview shows how the Yxy color 13.1719, 0.4002, 0.4091 looks on a white background.

Color Contrast Check

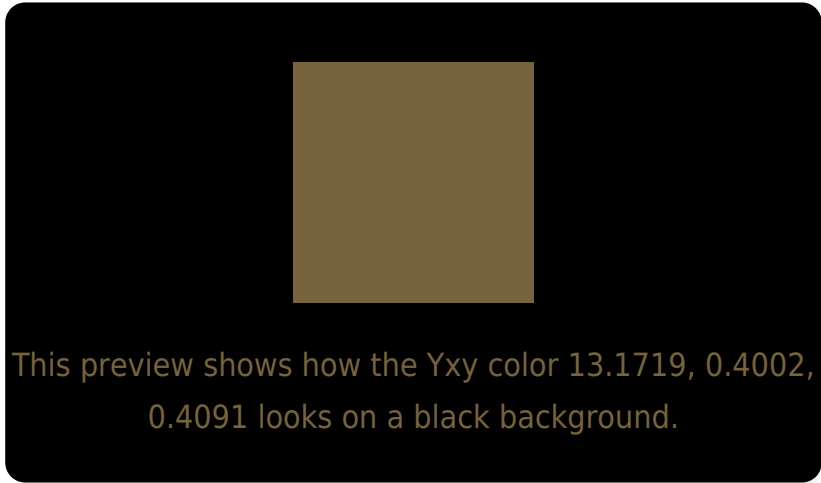
Large Text (above 18pt) WCAG AA ✓ Pass

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

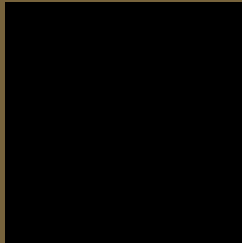
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1719, 0.4002, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 13.1719, 0.4002, 0.4091.



This preview shows how white text looks on a background with the Yxy color 13.1719, 0.4002, 0.4091.

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

13.1719, 0.4002, 0.4091

Protanopia

13.2192, 0.3833, 0.4171

Deuteranopia

13.1607, 0.4102, 0.4028



Tritanopia

13.1559, 0.3477, 0.3150

Trichromacy



Original Color

13.1719, 0.4002, 0.4091

Protanomaly

13.2217, 0.3890, 0.4136

Deuteranomaly

13.1992, 0.4060, 0.4057

Tritanomaly

13.1752, 0.3686, 0.3497

Monochromacy



Original Color

13.1719, 0.4002, 0.4091

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9744, 0.3446, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1719, 0.4002, 0.4091 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(119, 99, 60)` looks like.

```
.text, #text, p{  
    color:rgb(119, 99, 60)  
}
```

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(119, 99, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 99, 60) }
```

Border

The CSS property to change the border of an element to Yxy 13.1719, 0.4002, 0.4091 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(119, 99, 60) }
```

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

```
.border{ border-color:rgb(119, 99, 60) }
```

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

Here you see how a box with a 4 pixel rgb(119, 99, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 99, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 99, 60);  
box-shadow:4px 4px 4px 4px rgb(119, 99,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1719, 0.4002, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 99, 60) }
```

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

```
.background{ background-color: rgb(119, 99,  
60) }
```

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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