

Converting Colors

$Y_{xy}(10.1166, 0.4339, 0.4224)$

Have a look what the booklet for
Yxy(10.1166, 0.4339, 0.4224)
contains.

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Color

Yxy(10.1609, 0.4347, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	715528
RGB	113, 85, 40
RGB Percent	44%, 33%, 16%
CMY	0.5568, 0.6667, 0.8431
CMYK	0.00, 0.25, 0.65, 0.56
HSL	37°, 48%, 30%
HSV	37°, 65%, 44%
XYZ	10.4419, 10.1609, 3.4182
YIQ	88.2420, 31.1330, -8.0590

Conversions

Conversions Part 2

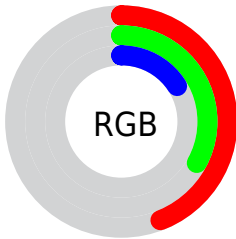
Format	Color
RYB	85, 113, 40
Decimal	7427368
CIELab	38.13, 6.15, 30.23
CIElCh	38, 30.854, 78.498
Yxy	10.1609, 0.4347, 0.4230
Android (android.graphics.Color)	4285617448 (0xFF715528)
YUV	88.2420, -23.7833, 21.7128
Hunter-Lab	31.8762, 2.6895, 15.9554

Details

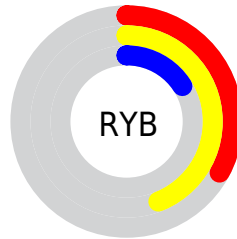
The Yxy color **10.1609, 0.4347, 0.4230** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.7779, 0.2106, 0.2054**, and the grayscale version is **9.8628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9538, 0.4042, 0.4006**, and **2.5743, 0.4900, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **9.4337, 0.4558, 0.4323**, and if you desaturate by 10%, it is **10.9534, 0.4130, 0.4107**.

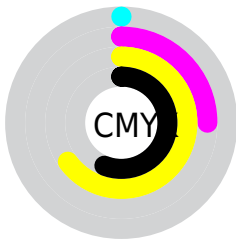
Distribution



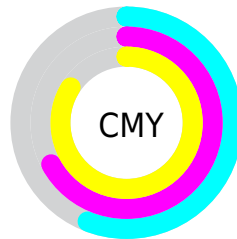
- Red (44%)
- Green (33%)
- Blue (16%)



- Red (33%)
- Yellow (44%)
- Blue (16%)



- Cyan (0%)
- Magenta (25%)
- Yellow (65%)
- Black (56%)





- Cyan (56%)
- Magenta (67%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1609, 0.4347, 0.4230 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 10.1609, 0.4347, 0.4230 by changing the saturation by 10% instead.


 10.1609, 0.4347,
0.4230


 10.1609, 0.4347,
0.4230


191.8166, 0.3603,
0.3681


 5.5058, 0.4578,
0.4378

 26.0977, 0.4040,
0.4015


 2.5470, 0.5111,
0.4755


 38.1482, 0.3936,
0.3937

 0.9001, 0.5304,
0.4696

 53.4325, 0.3853,
0.3874

 0.0000, 0.0000,
0.0000

 72.3352, 0.3784,
0.3822

 95.2405, 0.3728,
0.3778

 122.5329, 0.3680,

0.3741

154.5968, 0.3639,
0.3709

10.1609, 0.4347,
0.4230

10.1609, 0.4347,
0.4230

9.4337, 0.4558,
0.4323

10.9534, 0.4130,
0.4107

8.7675, 0.4755,
0.4378

11.8123, 0.3917,
0.3965

8.1588, 0.4929,
0.4389

12.7404, 0.3714,
0.3812

7.8487, 0.5025,
0.4392

13.7397, 0.3525,
0.3657

14.8123, 0.3351,
0.3503

■ 15.9602, 0.3194,
0.3355

■ 17.1852, 0.3053,
0.3216

■ 18.4891, 0.2927,
0.3085

■ 19.8735, 0.2815,
0.2963

Harmonies

Analogous

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



10.1609, 0.4552, 0.3722



10.1609, 0.4347, 0.4230



10.1609, 0.3820, 0.4570

Triad

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



10.1609, 0.4347, 0.4230



10.1609, 0.2048, 0.3221



10.1609, 0.2980, 0.2362

Complementary

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



10.1609, 0.4347, 0.4230



5.7779, 0.2106, 0.2054

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.



10.1609, 0.2367, 0.2201



10.1609, 0.4347, 0.4230



10.1609, 0.1882, 0.2607

Square

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



10.1609, 0.4347, 0.4230



10.1609, 0.2493, 0.3977



10.1609, 0.1992, 0.2271



10.1609, 0.3714, 0.2711

Rectangle

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



10.1609, 0.4347, 0.4230



10.1609, 0.3373, 0.4591



10.1609, 0.1992, 0.2271



10.1609, 0.2753, 0.2285

Sweetspot

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



10.1614, 0.4347, 0.4230



25.5636, 0.3434, 0.3578



5.4607, 0.4246, 0.2681



5.8138, 0.3473, 0.3612



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.1614, 0.4347, 0.4230



16.2241, 0.4669, 0.4359



15.0104, 0.3876, 0.4770



3.7117, 0.3261, 0.3419



8.8637, 0.5031, 0.4387



42.4482, 0.5090, 0.4340

Inverse Universe

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



5.7779, 0.2106, 0.2054



7.7288, 0.1895, 0.1705



3.3214, 0.2031, 0.1369



3.4908, 0.2996, 0.3157



3.3042, 0.1689, 0.1281



14.8993, 0.1662, 0.1184

Previews

White Background



This preview shows how the Yxy color 10.1609, 0.4347, 0.4230 looks on a white background.

Color Contrast Check

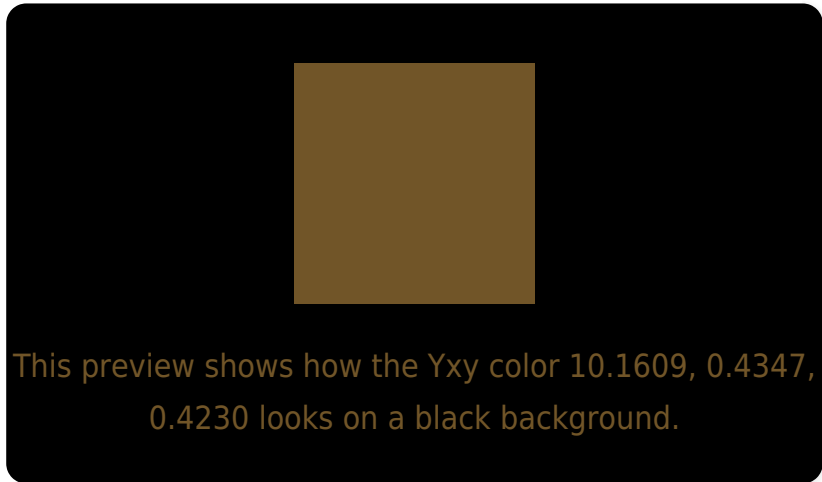
Large Text (above 18pt) WCAG AA ✓ Pass

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

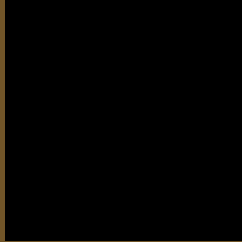
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1609, 0.4347, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 10.1609, 0.4347, 0.4230.



This preview shows how white text looks on a background with the Yxy color 10.1609, 0.4347, 0.4230.

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

10.1609, 0.4347, 0.4230

Protanopia

10.1888, 0.4024, 0.4395

Deuteranopia

10.2535, 0.4315, 0.4257



Tritanopia

10.1222, 0.3671, 0.3162

Trichromacy



Original Color

10.1609, 0.4347, 0.4230

Protanomaly

10.1428, 0.4152, 0.4334

Deuteranomaly

10.2535, 0.4315, 0.4257

Tritanomaly

10.1091, 0.3949, 0.3577

Monochromacy



Original Color

10.1609, 0.4347, 0.4230

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8127, 0.3556, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1609, 0.4347, 0.4230 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(113, 85, 40)` looks like.

```
.text, #text, p{  
    color:rgb(113, 85, 40)  
}
```

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(113, 85, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 85, 40) }
```

Border

The CSS property to change the border of an element to Yxy 10.1609, 0.4347, 0.4230 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(113, 85, 40) }
```

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

```
.border{ border-color:rgb(113, 85, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 85, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 85, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 85, 40);  
box-shadow:4px 4px 4px 4px rgb(113, 85,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1609, 0.4347, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 85, 40) }
```

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

```
.background{ background-color: rgb(113, 85,  
40) }
```

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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