

Converting Colors

$Y_{xy}(11.5692, 0.3971, 0.4425)$

Have a look what the booklet for
Yxy(11.5692, 0.3971, 0.4425)
contains.

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Color

Yxy(11.4983, 0.3984, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	68602D
RGB	104, 96, 45
RGB Percent	41%, 38%, 18%
CMY	0.5921, 0.6235, 0.8235
CMYK	0.00, 0.08, 0.57, 0.59
HSL	52°, 40%, 29%
HSV	52°, 57%, 41%
XYZ	10.3664, 11.4983, 4.1554
YIQ	92.5780, 21.1390, -14.1650

Conversions

Conversions Part 2

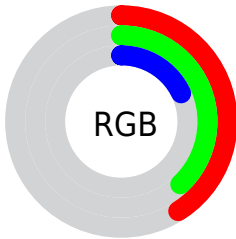
Format	Color
RYB	54, 104, 45
Decimal	6840365
CIELab	40.41, -4.24, 29.92
CIELCh	40, 30.217, 98.074
Yxy	11.4983, 0.3984, 0.4419
Android (android.graphics.Color)	4285030445 (0xFF68602D)
YUV	92.5780, -23.4560, 10.0171
Hunter-Lab	33.9091, -4.7715, 16.4707

Details

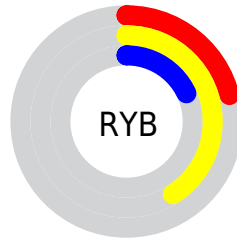
The Yxy color **11.4983, 0.3984, 0.4419** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.1048, 0.2149, 0.1817**, and the grayscale version is **10.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4986, 0.3792, 0.4138**, and **3.0934, 0.4336, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **11.1730, 0.4121, 0.4575**, and if you desaturate by 10%, it is **11.8491, 0.3835, 0.4238**.

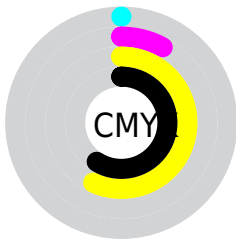
Distribution



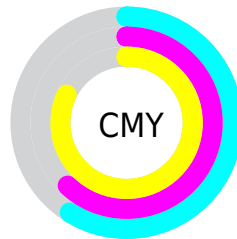
- Red (41%)
- Green (38%)
- Blue (18%)



- Red (21%)
- Yellow (41%)
- Blue (18%)



- Cyan (0%)
- Magenta (8%)
- Yellow (57%)
- Black (59%)




- Cyan (59%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4983, 0.3984, 0.4419 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 11.4983, 0.3984, 0.4419 by changing the saturation by 10% instead.


 11.4983, 0.3984,
0.4419


 11.4983, 0.3984,
0.4419


 201.0550, 0.3479,
0.3735


 6.4031, 0.4129,
0.4633


 28.5780, 0.3782,
0.4138


 3.0917, 0.4389,
0.5014

 41.3312, 0.3712,
0.4042

 1.1798, 0.4589,
0.5411

 57.4059, 0.3654,
0.3965

 0.0451, 0.0000,
1.0000

 77.1865, 0.3607,
0.3902

 0.0000, 0.0000,
0.0000

 101.0573, 0.3567,
0.3850

 129.4027, 0.3533,

0.3806

162.6071, 0.3504,
0.3768

■ 11.4983, 0.3984,
0.4419

■ 11.4983, 0.3984,
0.4419

■ 11.1730, 0.4121,
0.4575

■ 11.8491, 0.3835,
0.4238

■ 10.8700, 0.4239,
0.4699

■ 12.2251, 0.3680,
0.4041

■ 10.5882, 0.4336,
0.4785

■ 12.6280, 0.3523,
0.3835

■ 10.3229, 0.4414,
0.4839

■ 13.0591, 0.3369,
0.3627

■ 10.2375, 0.4439,
0.4857

■ 13.5193, 0.3222,
0.3423

■ 14.0098, 0.3083,
0.3227

■ 14.5314, 0.2953,
0.3041

■ 15.0851, 0.2834,
0.2867

■ 15.6716, 0.2724,
0.2706

Harmonies

Analogous

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



11.4983, 0.4388, 0.4030



11.4983, 0.3984, 0.4419



11.4983, 0.3374, 0.4509

Triad

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



11.4983, 0.3984, 0.4419



11.4983, 0.1971, 0.2825



11.4983, 0.3441, 0.2610

Complementary

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



11.4983, 0.3984, 0.4419



4.1048, 0.2149, 0.1817

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.



11.4983, 0.2768, 0.2334



11.4983, 0.3984, 0.4419



11.4983, 0.1985, 0.2408

Square

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



11.4983, 0.3984, 0.4419



11.4983, 0.2227, 0.3474



11.4983, 0.2257, 0.2254



11.4983, 0.4081, 0.3031

Rectangle

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



11.4983, 0.3984, 0.4419



11.4983, 0.2938, 0.4318



11.4983, 0.2257, 0.2254



11.4983, 0.3208, 0.2498

Sweetspot

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



11.4988, 0.3984, 0.4419



22.8479, 0.3381, 0.3642



5.0854, 0.4440, 0.3089



5.5483, 0.3402, 0.3671



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.4988, 0.3984, 0.4419



19.4245, 0.4160, 0.4618



11.9477, 0.3569, 0.4725



3.2079, 0.3253, 0.3467



12.5840, 0.4442, 0.4855



64.6996, 0.4459, 0.4841

Inverse Universe

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



4.1048, 0.2149, 0.1817



5.0742, 0.1915, 0.1431



4.0227, 0.2434, 0.1729



2.8181, 0.2999, 0.3107



1.5903, 0.1543, 0.0753



7.5074, 0.1525, 0.0689

Previews

White Background



This preview shows how the Yxy color 11.4983, 0.3984, 0.4419 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 11.4983, 0.3984, 0.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

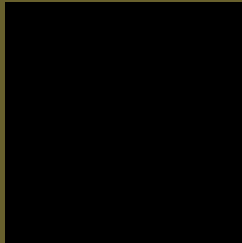
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4983, 0.3984, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 11.4983, 0.3984, 0.4419.



This preview shows how white text looks on a background with the Yxy color 11.4983, 0.3984, 0.4419.

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

11.4983, 0.3984, 0.4419

Protanopia

11.4381, 0.4029, 0.4385

Deuteranopia

11.4613, 0.4251, 0.4211



Tritanopia

11.4266, 0.3328, 0.3137

Trichromacy



Original Color

11.4983, 0.3984, 0.4419

Protanomaly

11.3771, 0.4012, 0.4393

Deuteranomaly

11.4707, 0.4142, 0.4284

Tritanomaly

11.3302, 0.3588, 0.3609

Monochromacy



Original Color

11.4983, 0.3984, 0.4419

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0686, 0.3442, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4983, 0.3984, 0.4419 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(104, 96, 45)` looks like.

```
.text, #text, p{  
    color:rgb(104, 96, 45)  
}
```

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(104, 96, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 96, 45) }
```

Border

The CSS property to change the border of an element to Yxy 11.4983, 0.3984, 0.4419 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(104, 96, 45) }
```

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

```
.border{ border-color:rgb(104, 96, 45) }
```

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

Here you see how a box with a 4 pixel rgb(104, 96, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 96, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 96, 45);  
box-shadow:4px 4px 4px 4px rgb(104, 96,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4983, 0.3984, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 96, 45) }
```

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

```
.background{ background-color: rgb(104, 96,  
45) }
```

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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