

Converting Colors

$Y_{xy}(13.2014, 0.4421, 0.4363)$

Have a look what the booklet for
Yxy(13.2014, 0.4421, 0.4363)
contains.

Yxy(13.2014, 0.4421, 0.4363)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2014, 0.4421, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	7F6126
RGB	127, 97, 38
RGB Percent	50%, 38%, 15%
CMY	0.5020, 0.6196, 0.8509
CMYK	0.00, 0.24, 0.70, 0.50
HSL	40°, 54%, 32%
HSV	40°, 70%, 50%
XYZ	13.3769, 13.2014, 3.6793
YIQ	99.2440, 36.8190, -11.9890

Conversions

Conversions Part 2

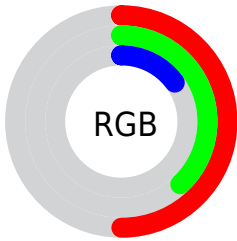
Format	Color
R_{YB}	83, 127, 38
Decimal	8347942
CIE Lab	43.07, 5.49, 37.18
CIE LCh	43, 37.580, 81.600
Yxy	13.2014, 0.4421, 0.4363
Android (android.graphics.Color)	4286538022 (0xFF7F6126)
YUV	99.2440, -30.1933, 24.3420
Hunter-Lab	36.3337, 2.1338, 19.4296

Details

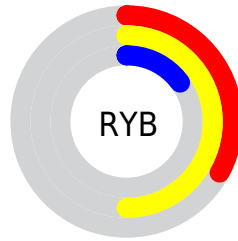
The Yxy color **13.2014, 0.4421, 0.4363** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.0818, 0.1989, 0.1806**, and the grayscale version is **12.6140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4844, 0.4126, 0.4136**, and **3.8635, 0.4818, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **12.3635, 0.4606, 0.4442**, and if you desaturate by 10%, it is **14.1113, 0.4222, 0.4248**.

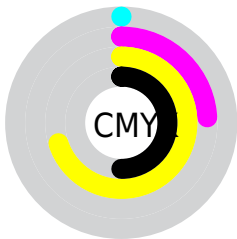
Distribution



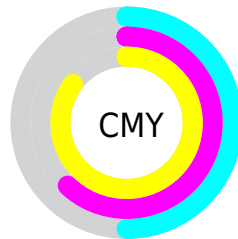
- Red (50%)
- Green (38%)
- Blue (15%)



- Red (33%)
- Yellow (50%)
- Blue (15%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (50%)





- Cyan (50%)
- Magenta (62%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2014, 0.4421, 0.4363 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 13.2014, 0.4421, 0.4363 by changing the saturation by 10% instead.


 13.2014, 0.4421,
0.4363


 13.2014, 0.4421,
0.4363


212.2044, 0.3671,
0.3764


 7.5674, 0.4627,
0.4508


 31.6651, 0.4127,
0.4139


 3.8194, 0.4998,
0.4776

 45.2636, 0.4022,
0.4055


 1.5731, 0.5195,
0.4805

 62.2858, 0.3936,
0.3986

 0.3393, 0.5736,
0.4264

 83.1159, 0.3865,
0.3927

 0.0000, 0.0000,
0.0000

 108.1384, 0.3805,
0.3877

 137.7378, 0.3753,

0.3834

172.2983, 0.3709,
0.3797

13.2014, 0.4421,
0.4363

13.2014, 0.4421,
0.4363

12.3635, 0.4606,
0.4442

14.1113, 0.4222,
0.4248

11.5921, 0.4768,
0.4477

15.0944, 0.4017,
0.4106

10.8809, 0.4914,
0.4480

16.1544, 0.3816,
0.3947

17.2939, 0.3624,
0.3780

18.5154, 0.3444,
0.3612

■ 19.8213, 0.3278,
0.3448

■ 21.2139, 0.3128,
0.3291

■ 22.6951, 0.2992,
0.3143

■ 24.2671, 0.2871,
0.3005

Harmonies

Analogous

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



13.2014, 0.4706, 0.3806



13.2014, 0.4421, 0.4363



13.2014, 0.3805, 0.4734

Triad

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



13.2014, 0.4421, 0.4363



13.2014, 0.1904, 0.3119



13.2014, 0.3040, 0.2303

Complementary

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



13.2014, 0.4421, 0.4363



6.0818, 0.1989, 0.1806

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.



13.2014, 0.2344, 0.2104



13.2014, 0.4421, 0.4363



13.2014, 0.1761, 0.2472

Square

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



13.2014, 0.4421, 0.4363



13.2014, 0.2355, 0.3978



13.2014, 0.1911, 0.2146



13.2014, 0.3861, 0.2699

Rectangle

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



13.2014, 0.4421, 0.4363



13.2014, 0.3305, 0.4738



13.2014, 0.1911, 0.2146



13.2014, 0.2784, 0.2212

Sweetspot

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



13.2020, 0.4421, 0.4363



32.8336, 0.3469, 0.3636



6.3317, 0.4540, 0.2731



7.5678, 0.3510, 0.3675



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.2020, 0.4421, 0.4363



21.3062, 0.4706, 0.4468



18.8718, 0.3863, 0.4914



4.7828, 0.3263, 0.3433



10.9719, 0.4915, 0.4480



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.0818, 0.1989, 0.1806



7.7958, 0.1783, 0.1432



3.6340, 0.1969, 0.1211



4.4303, 0.2993, 0.3143



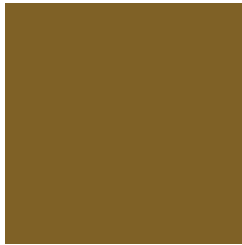
3.2718, 0.1651, 0.1143



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.2014, 0.4421, 0.4363 looks on a white background.

Color Contrast Check

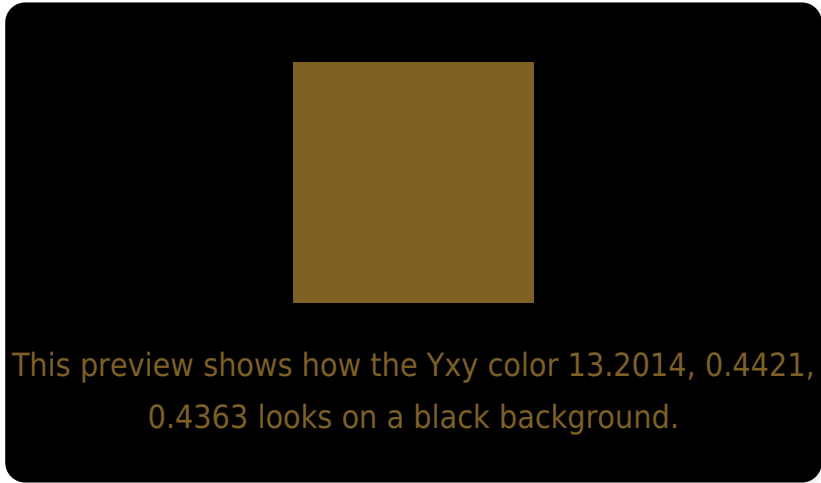
Large Text (above 18pt) WCAG AA ✓ Pass

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

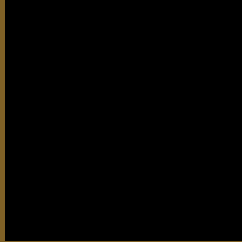
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2014, 0.4421, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 13.2014, 0.4421, 0.4363.



This preview shows how white text looks on a background with the Yxy color 13.2014, 0.4421, 0.4363.

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

13.2014, 0.4421, 0.4363

Protanopia

13.2266, 0.4140, 0.4542

Deuteranopia

13.2014, 0.4421, 0.4363



Tritanopia

13.1893, 0.3663, 0.3156

Trichromacy



Original Color

13.2014, 0.4421, 0.4363

Protanomaly

13.1828, 0.4245, 0.4466

Deuteranomaly

13.2014, 0.4421, 0.4363

Tritanomaly

13.0963, 0.3993, 0.3625

Monochromacy



Original Color

13.2014, 0.4421, 0.4363

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5224, 0.3603, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2014, 0.4421, 0.4363 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(127, 97, 38)` looks like.

```
.text, #text, p{  
    color:rgb(127, 97, 38)  
}
```

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(127, 97, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 97, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.2014, 0.4421, 0.4363 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(127, 97, 38) }
```

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

```
.border{ border-color:rgb(127, 97, 38) }
```

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

Here you see how a box with a 4 pixel rgb(127, 97, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 97, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 97, 38);  
box-shadow:4px 4px 4px 4px rgb(127, 97,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2014, 0.4421, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 97, 38) }
```

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

```
.background{ background-color: rgb(127, 97,  
38) }
```

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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