

Converting Colors

$Y_{xy}(13.3832, 0.4372, 0.4911)$

Have a look what the booklet for
Yxy(13.3832, 0.4372, 0.4911)
contains.

Yxy(13.3453, 0.4380, 0.4904)	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(13.3453, 0.4380, 0.4904)

Conversions

Conversions Part 1

Format	Color
Hex	736700
RGB	115, 103, 0
RGB Percent	45%, 40%, 0%
CMY	0.5491, 0.5961, 0.9999
CMYK	0.00, 0.10, 1.00, 0.55
HSL	54°, 100%, 23%
HSV	54°, 100%, 45%
XYZ	11.9193, 13.3453, 1.9485
YIQ	94.8460, 40.2150, -29.4890

Conversions

Conversions Part 2

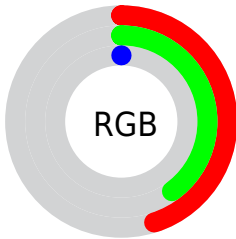
Format	Color
RYB	13, 115, 0
Decimal	7563008
CIELab	43.28, -5.24, 49.89
CIELCh	43, 50.167, 95.999
Yxy	13.3453, 0.4380, 0.4904
Android (android.graphics.Color)	4285753088 (0xFF736700)
YUV	94.8460, -46.7591, 17.6751
Hunter-Lab	36.5312, -5.6890, 22.4095

Details

The Yxy color **13.3453, 0.4380, 0.4904** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5009, 0.1532, 0.0713**, and the grayscale version is **11.5126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9835, 0.4144, 0.4579**, and **3.9830, 0.4348, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **13.3452, 0.4380, 0.4904**, and if you desaturate by 10%, it is **13.6114, 0.4317, 0.4855**.

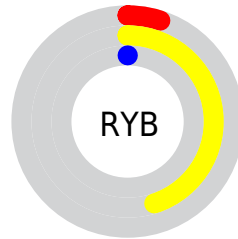
Distribution



Red (45%)

Green (40%)

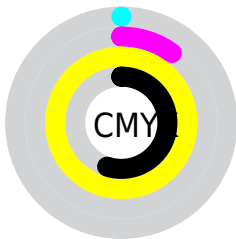
Blue (0%)



Red (5%)

Yellow (45%)

Blue (0%)

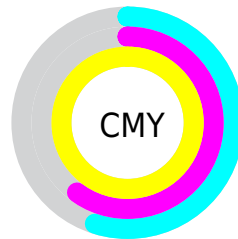


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3453, 0.4380, 0.4904 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 13.3453, 0.4380, 0.4904 by changing the saturation by 10% instead.


 13.3453, 0.4380,
0.4904


 13.3453, 0.4380,
0.4904


 213.1189, 0.3713,
0.4003


 7.6668, 0.4522,
0.5128


 31.9228, 0.4151,
0.4574


 3.8825, 0.4638,
0.5362

 45.5904, 0.4057,
0.4448

 1.6080, 0.4556,
0.5444

 62.6900, 0.3977,
0.4342

 0.3630, 0.3742,
0.6258

 83.6057, 0.3908,
0.4252

 0.0000, 0.0000,
0.0000

 108.7221, 0.3849,
0.4176

 138.4235, 0.3797,


0.4110


 173.0943, 0.3752,
0.4053


 13.3453, 0.4380,
0.4904


 13.3453, 0.4380,
0.4904


 13.3452, 0.4380,
0.4904

 13.6114, 0.4317,
0.4855

 13.8915, 0.4239,
0.4782

 14.1951, 0.4138,
0.4668

 14.5245, 0.4015,
0.4519

 14.8816, 0.3876,
0.4341

■ 15.2683, 0.3727,
0.4142

■ 15.6862, 0.3573,
0.3930

■ 16.1368, 0.3420,
0.3713

■ 16.6214, 0.3270,
0.3498

Harmonies

Analogous

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



13.3453, 0.5030, 0.4202



13.3453, 0.4380, 0.4904



13.3453, 0.3469, 0.5273

Triad

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



13.3453, 0.4380, 0.4904



13.3453, 0.1452, 0.2567



13.3453, 0.3512, 0.2253

Complementary

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



13.3453, 0.4380, 0.4904



1.5009, 0.1532, 0.0713

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.



13.3453, 0.2494, 0.1891



13.3453, 0.4380, 0.4904



13.3453, 0.1467, 0.1981

Square

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



13.3453, 0.4380, 0.4904



13.3453, 0.1794, 0.3623



13.3453, 0.1804, 0.1786



13.3453, 0.4568, 0.2815

Rectangle

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



13.3453, 0.4380, 0.4904



13.3453, 0.2826, 0.5067



13.3453, 0.1804, 0.1786



13.3453, 0.3147, 0.2106

Sweetspot

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



13.3459, 0.4380, 0.4904



28.0329, 0.3586, 0.3947



3.6749, 0.6187, 0.3182



6.6268, 0.3638, 0.4019



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.



13.3459, 0.4380, 0.4904



23.7910, 0.4385, 0.4900



13.5951, 0.3563, 0.5553



4.2042, 0.3256, 0.3479



15.2421, 0.4381, 0.4903



73.5402, 0.4393, 0.4894

Inverse Universe

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



1.5009, 0.1532, 0.0713



2.5777, 0.1524, 0.0687



1.7759, 0.1859, 0.0798



3.6457, 0.2995, 0.3094



1.6967, 0.1529, 0.0705



7.6365, 0.1516, 0.0657

Previews

White Background



This preview shows how the Yxy color 13.3453, 0.4380, 0.4904 looks on a white background.

Color Contrast Check

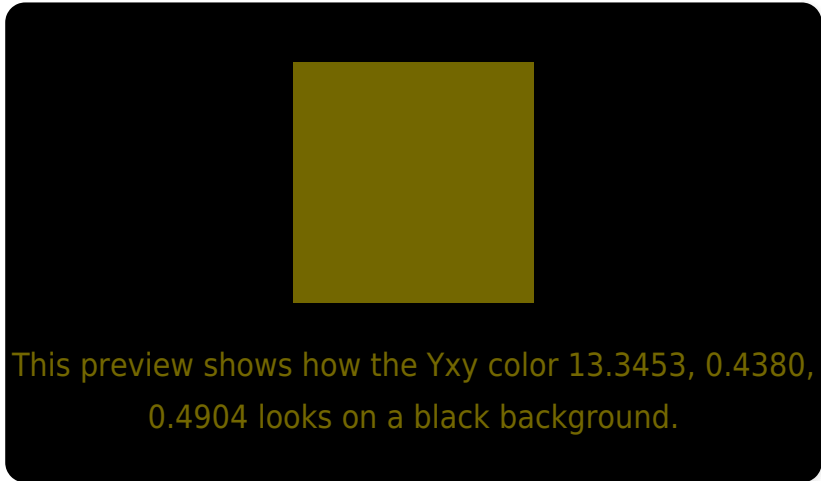
Large Text (above 18pt) WCAG AA ✓ Pass

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

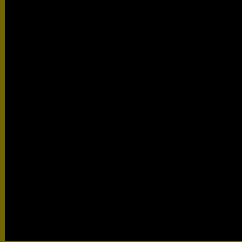
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3453, 0.4380, 0.4904

Background



This preview shows how black text looks on a background with the Yxy color 13.3453, 0.4380, 0.4904.

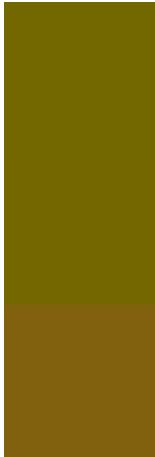


This preview shows how white text looks on a background with the Yxy color 13.3453, 0.4380, 0.4904.

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

13.3453, 0.4380, 0.4904

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2456, 0.4641, 0.4587



Tritanopia

13.4100, 0.3409, 0.3149

Trichromacy



Original Color

13.3453, 0.4380, 0.4904

Protanomaly

13.4135, 0.4396, 0.4892

Deuteranomaly

13.2263, 0.4553, 0.4698

Tritanomaly

13.2390, 0.3918, 0.3974

Monochromacy



Original Color

13.3453, 0.4380, 0.4904

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8864, 0.3734, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3453, 0.4380, 0.4904 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 0)  
}
```

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, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.3453, 0.4380, 0.4904 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, 103, 0) }
```

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

```
.border{ border-color:rgb(115, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3453, 0.4380, 0.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 0) }
```

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

```
.background{ background-color: rgb(115,  
103, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor