

Converting Colors

$Y_{xy}(13.7636, 0.4348, 0.4551)$

Have a look what the booklet for
Yxy(13.7636, 0.4348, 0.4551)
contains.

Yxy(13.8180, 0.4345, 0.4555)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8180, 0.4345, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	7B6620
RGB	123, 102, 32
RGB Percent	48%, 40%, 13%
CMY	0.5176, 0.6000, 0.8746
CMYK	0.00, 0.17, 0.74, 0.52
HSL	46°, 59%, 30%
HSV	46°, 74%, 48%
XYZ	13.1809, 13.8180, 3.3369
YIQ	100.2990, 34.9860, -17.3180

Conversions

Conversions Part 2

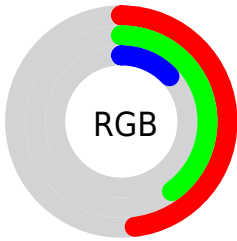
Format	Color
RYB	59, 123, 32
Decimal	8087072
CIELab	43.97, 0.31, 40.81
CIELCh	44, 40.811, 89.564
Yxy	13.8180, 0.4345, 0.4555
Android (android.graphics.Color)	4286277152 (0xFF7B6620)
YUV	100.2990, -33.6714, 19.9088
Hunter-Lab	37.1726, -1.7580, 20.6984

Details

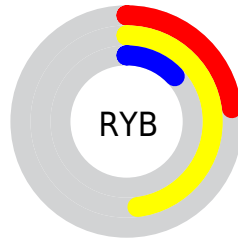
The Yxy color **13.8180, 0.4345, 0.4555** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2813, 0.1876, 0.1476**, and the grayscale version is **12.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8415, 0.4080, 0.4290**, and **4.1679, 0.4574, 0.4751** is the 20% darker color. If you saturate the color by 10%, you get **13.2155, 0.4479, 0.4635**, and if you desaturate by 10%, it is **14.4660, 0.4190, 0.4436**.

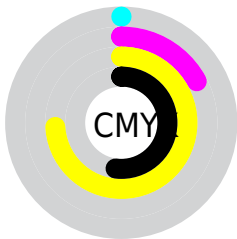
Distribution



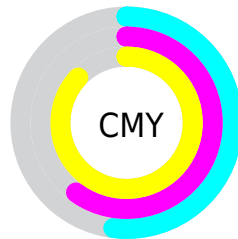
- Red (48%)
- Green (40%)
- Blue (13%)



- Red (23%)
- Yellow (48%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (74%)
- Black (52%)





- Cyan (52%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8180, 0.4345, 0.4555 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 13.8180, 0.4345, 0.4555 by changing the saturation by 10% instead.


 13.8180, 0.4345,
0.4555

 13.8180, 0.4345,
0.4555


216.0956, 0.3658,
0.3843


 7.9942, 0.4517,
0.4732


 32.7657, 0.4085,
0.4286


 4.0912, 0.4864,
0.5090

 46.6585, 0.3989,
0.4187

 1.7247, 0.4891,
0.5109

 64.0096, 0.3909,
0.4104

 0.4396, 0.4918,
0.5082

 85.2036, 0.3842,
0.4035


 0.0000, 0.0000,
0.0000


 110.6248, 0.3786,
0.3976


 140.6576, 0.3737,


0.3925


 175.6864, 0.3695,
0.3881


 13.8180, 0.4345,
0.4555


 13.8180, 0.4345,
0.4555


 13.2155, 0.4479,
0.4635

 14.4660, 0.4190,
0.4436


 12.6528, 0.4588,
0.4673

 15.1600, 0.4021,
0.4285

 12.3282, 0.4651,
0.4689

 15.9033, 0.3846,
0.4112

 16.6978, 0.3670,
0.3927

 17.5457, 0.3499,
0.3736

■ 18.4486, 0.3337,
0.3546

■ 19.4085, 0.3185,
0.3362

■ 20.4269, 0.3045,
0.3186

■ 21.5053, 0.2917,
0.3021

Harmonies

Analogous

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



13.8180, 0.4770, 0.3984



13.8180, 0.4345, 0.4555



13.8180, 0.3629, 0.4870

Triad

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



13.8180, 0.4345, 0.4555



13.8180, 0.1760, 0.2884



13.8180, 0.3260, 0.2339

Complementary

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



13.8180, 0.4345, 0.4555



4.2813, 0.1876, 0.1476

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.



13.8180, 0.2465, 0.2071



13.8180, 0.4345, 0.4555



13.8180, 0.1697, 0.2293

Square

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



13.8180, 0.4345, 0.4555



13.8180, 0.2145, 0.3778



13.8180, 0.1932, 0.2040



13.8180, 0.4128, 0.2798

Rectangle

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



13.8180, 0.4345, 0.4555



13.8180, 0.3089, 0.4772



13.8180, 0.1932, 0.2040



13.8180, 0.2973, 0.2226

Sweetspot

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



13.8187, 0.4345, 0.4555



31.6467, 0.3475, 0.3708



5.5021, 0.4964, 0.2927



7.3728, 0.3511, 0.3749



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.8187, 0.4345, 0.4555



22.9327, 0.4560, 0.4666



16.9093, 0.3737, 0.5072



4.4846, 0.3260, 0.3454



12.7436, 0.4652, 0.4688



59.4514, 0.4681, 0.4666

Inverse Universe

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



4.2813, 0.1876, 0.1476



5.0247, 0.1664, 0.1070



3.3099, 0.2040, 0.1177



4.0299, 0.2994, 0.3121



2.3499, 0.1584, 0.0900



10.1084, 0.1562, 0.0824

Previews

White Background



This preview shows how the Yxy color 13.8180, 0.4345, 0.4555 looks on a white background.

Color Contrast Check

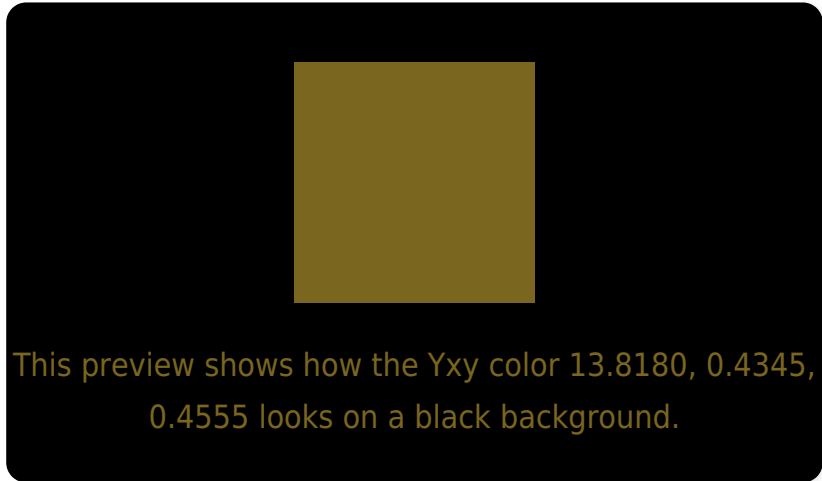
Large Text (above 18pt) WCAG AA ✓ Pass

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

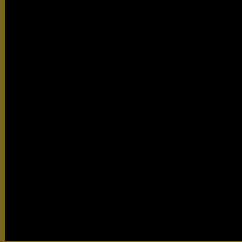
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8180, 0.4345, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 13.8180, 0.4345, 0.4555.



This preview shows how white text looks on a background with the Yxy color 13.8180, 0.4345, 0.4555.

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

13.8180, 0.4345, 0.4555

Protanopia

13.7923, 0.4216, 0.4630

Deuteranopia

13.7793, 0.4485, 0.4433



Tritanopia

13.7529, 0.3520, 0.3135

Trichromacy



Original Color

13.8180, 0.4345, 0.4555

Protanomaly

13.7322, 0.4261, 0.4595

Deuteranomaly

13.7362, 0.4426, 0.4475

Tritanomaly

13.7068, 0.3875, 0.3711

Monochromacy



Original Color

13.8180, 0.4345, 0.4555

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0035, 0.3599, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8180, 0.4345, 0.4555 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(123, 102, 32)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 32)  
}
```

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(123, 102, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.8180, 0.4345, 0.4555 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(123, 102, 32) }
```

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

```
.border{ border-color:rgb(123, 102, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 102, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 32);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8180, 0.4345, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 32) }
```

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

```
.background{ background-color: rgb(123,  
102, 32) }
```

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