

Converting Colors

$Y_{xy}(13.3470, 0.4305, 0.4550)$

Have a look what the booklet for
Yxy(13.3470, 0.4305, 0.4550)
contains.

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Color

Yxy(13.4102, 0.4304, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	786521
RGB	120, 101, 33
RGB Percent	47%, 40%, 13%
CMY	0.5295, 0.6039, 0.8706
CMYK	0.00, 0.16, 0.72, 0.53
HSL	47°, 57%, 30%
HSV	47°, 72%, 47%
XYZ	12.6712, 13.4102, 3.3592
YIQ	98.9290, 33.1520, -17.1200

Conversions

Conversions Part 2

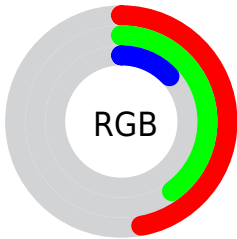
Format	Color
R _Y B	57, 120, 33
Decimal	7890209
CIE Lab	43.37, -0.50, 39.64
CIE LCh	43, 39.647, 90.724
Yxy	13.4102, 0.4304, 0.4555
Android (android.graphics.Color)	4286080289 (0xFF786521)
YUV	98.9290, -32.5030, 18.4793
Hunter-Lab	36.6199, -2.3203, 20.1952

Details

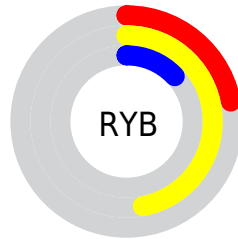
The Yxy color **13.4102, 0.4304, 0.4555** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.1312, 0.1895, 0.1494**, and the grayscale version is **12.5354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1796, 0.4047, 0.4279**, and **3.9976, 0.4554, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **12.8552, 0.4437, 0.4644**, and if you desaturate by 10%, it is **14.0066, 0.4151, 0.4428**.

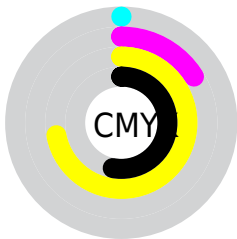
Distribution



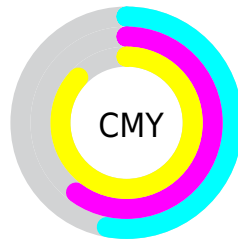
- Red (47%)
- Green (40%)
- Blue (13%)



- Red (22%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (72%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4102, 0.4304, 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 13.4102, 0.4304, 0.4555 by changing the saturation by 10% instead.


 13.4102, 0.4304,
0.4555


 13.4102, 0.4304,
0.4555


213.5301, 0.3636,
0.3835


 7.7116, 0.4473,
0.4740


 32.0388, 0.4050,
0.4280


 3.9110, 0.4822,
0.5118

 45.7376, 0.3957,
0.4179

 1.6239, 0.4843,
0.5157


 62.8719, 0.3879,
0.4096

 0.3736, 0.4785,
0.5215

 83.8261, 0.3814,
0.4026

 0.0000, 0.0000,
0.0000

 108.9847, 0.3760,
0.3967

 138.7319, 0.3713,

0.3917

173.4523, 0.3672,
0.3873

13.4102, 0.4304,
0.4555

13.4102, 0.4304,
0.4555

12.8552, 0.4437,
0.4644

14.0066, 0.4151,
0.4428

12.3369, 0.4545,
0.4691

14.6450, 0.3985,
0.4272

11.9644, 0.4620,
0.4713

15.3281, 0.3812,
0.4095

16.0579, 0.3639,
0.3906

16.8363, 0.3472,
0.3712

■ 17.6650, 0.3312,
0.3521

■ 18.5454, 0.3163,
0.3335

■ 19.4792, 0.3025,
0.3159

■ 20.4678, 0.2899,
0.2993

Harmonies

Analogous

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



13.4102, 0.4734, 0.4001



13.4102, 0.4304, 0.4555



13.4102, 0.3593, 0.4842

Triad

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



13.4102, 0.4304, 0.4555



13.4102, 0.1774, 0.2865



13.4102, 0.3293, 0.2368

Complementary

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



13.4102, 0.4304, 0.4555



4.1312, 0.1895, 0.1494

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.



13.4102, 0.2503, 0.2095



13.4102, 0.4304, 0.4555



13.4102, 0.1722, 0.2295

Square

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



13.4102, 0.4304, 0.4555



13.4102, 0.2142, 0.3733



13.4102, 0.1966, 0.2056



13.4102, 0.4139, 0.2827

Rectangle

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



13.4102, 0.4304, 0.4555



13.4102, 0.3062, 0.4726



13.4102, 0.1966, 0.2056



13.4102, 0.3009, 0.2254

Sweetspot

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



13.4108, 0.4304, 0.4555



29.6196, 0.3472, 0.3713



5.3386, 0.4900, 0.2927



6.9489, 0.3507, 0.3754



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.4108, 0.4304, 0.4555



22.0082, 0.4512, 0.4680



16.0659, 0.3732, 0.5041



4.4927, 0.3260, 0.3456



13.0374, 0.4623, 0.4712



60.9001, 0.4649, 0.4690

Inverse Universe

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



4.1312, 0.1895, 0.1494



4.7938, 0.1680, 0.1090



3.2894, 0.2067, 0.1220



4.0222, 0.2994, 0.3118



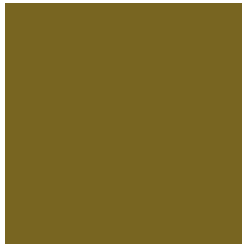
2.2743, 0.1577, 0.0875



9.7927, 0.1556, 0.0802

Previews

White Background



This preview shows how the Yxy color 13.4102, 0.4304, 0.4555 looks on a white background.

Color Contrast Check

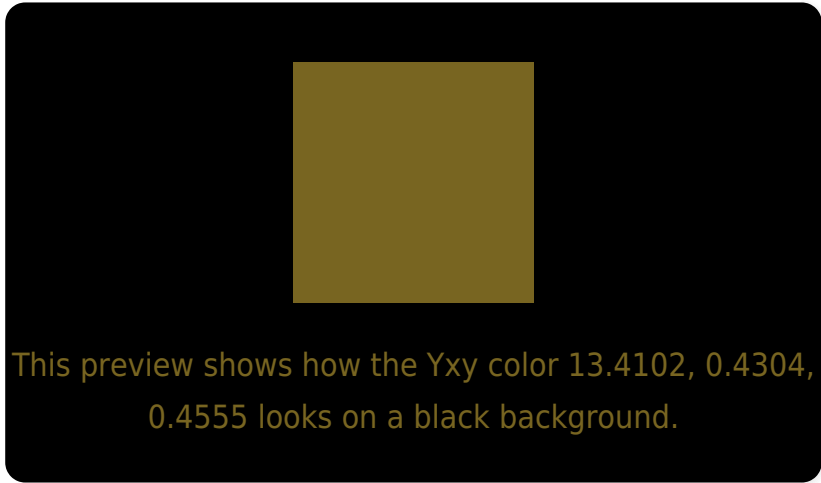
Large Text (above 18pt) WCAG AA ✓ Pass

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

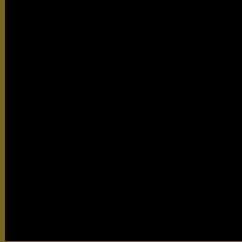
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4102, 0.4304, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 13.4102, 0.4304, 0.4555.



This preview shows how white text looks on a background with the Yxy color 13.4102, 0.4304, 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

13.4102, 0.4304, 0.4555

Protanopia

13.4551, 0.4199, 0.4633

Deuteranopia

13.4401, 0.4461, 0.4422



Tritanopia

13.3247, 0.3493, 0.3132

Trichromacy



Original Color

13.4102, 0.4304, 0.4555

Protanomaly

13.3945, 0.4244, 0.4598

Deuteranomaly

13.3991, 0.4401, 0.4465

Tritanomaly

13.2962, 0.3835, 0.3700

Monochromacy



Original Color

13.4102, 0.4304, 0.4555

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7481, 0.3589, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4102, 0.4304, 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(120, 101, 33)` looks like.

```
.text, #text, p{  
    color:rgb(120, 101, 33)  
}
```

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(120, 101, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 101, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.4102, 0.4304, 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(120, 101, 33) }
```

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

```
.border{ border-color:rgb(120, 101, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 101, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 101, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 101, 33);  
box-shadow:4px 4px 4px 4px rgb(120, 101,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4102, 0.4304, 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(120, 101, 33) }
```

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

```
.background{ background-color: rgb(120,  
101, 33) }
```

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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