

Converting Colors

$Y_{xy}(13.7507, 0.4395, 0.4607)$

Have a look what the booklet for
Yxy(13.7507, 0.4395, 0.4607)
contains.

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Color

Yxy(13.7928, 0.4384, 0.4610)

Conversions

Conversions Part 1

Format	Color
Hex	7B661B
RGB	123, 102, 27
RGB Percent	48%, 40%, 11%
CMY	0.5177, 0.6000, 0.8940
CMYK	0.00, 0.17, 0.78, 0.52
HSL	47°, 64%, 29%
HSV	47°, 78%, 48%
XYZ	13.1166, 13.7928, 3.0099
YIQ	99.7290, 36.5910, -18.8730

Conversions

Conversions Part 2

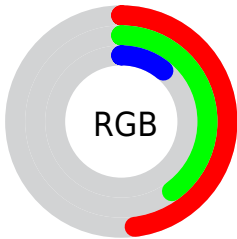
Format	Color
RYB	54, 123, 27
Decimal	8087067
CIELab	43.93, 0.05, 42.86
CIElCh	44, 42.862, 89.939
Yxy	13.7928, 0.4384, 0.4610
Android (android.graphics.Color)	4286277147 (0xFF7B661B)
YUV	99.7290, -35.8554, 20.4087
Hunter-Lab	37.1387, -1.9501, 21.1919

Details

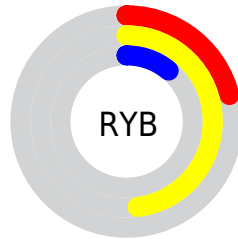
The Yxy color **13.7928, 0.4384, 0.4610** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7785, 0.1812, 0.1347**, and the grayscale version is **12.7584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7833, 0.4113, 0.4337**, and **4.1679, 0.4574, 0.4751** is the 20% darker color. If you saturate the color by 10%, you get **13.2278, 0.4504, 0.4675**, and if you desaturate by 10%, it is **14.4001, 0.4241, 0.4504**.

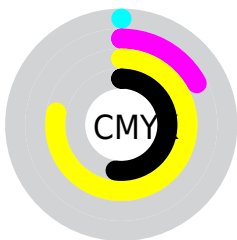
Distribution



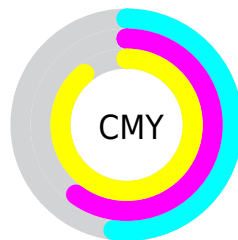
- Red (48%)
- Green (40%)
- Blue (11%)



- Red (21%)
- Yellow (48%)
- Blue (11%)



- Cyan (0%)
- Magenta (17%)
- Yellow (78%)
- Black (52%)




- Cyan (52%)
- Magenta (60%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7928, 0.4384, 0.4610 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 13.7928, 0.4384, 0.4610 by changing the saturation by 10% instead.


 13.7928, 0.4384,
0.4610


 13.7928, 0.4384,
0.4610


215.9380, 0.3681,
0.3872


 7.9767, 0.4553,
0.4787


 32.7209, 0.4122,
0.4335


 4.0800, 0.4875,
0.5125

 46.6017, 0.4023,
0.4231


 1.7184, 0.4876,
0.5124

 63.9396, 0.3941,
0.4145

 0.4356, 0.4880,
0.5120

 85.1188, 0.3872,
0.4073

 0.0000, 0.0000,
0.0000

 110.5239, 0.3813,
0.4011

 140.5392, 0.3763,

0.3958

175.5491, 0.3719,
0.3912

13.7928, 0.4384,
0.4610

13.7928, 0.4384,
0.4610

13.2278, 0.4504,
0.4675

14.4001, 0.4241,
0.4504

12.6963, 0.4603,
0.4705

15.0507, 0.4081,
0.4363

12.5932, 0.4623,
0.4711

15.7474, 0.3910,
0.4196

16.4927, 0.3736,
0.4012

17.2885, 0.3565,
0.3820

■ 18.1367, 0.3400,
0.3626

■ 19.0391, 0.3244,
0.3437

■ 19.9972, 0.3099,
0.3255

■ 21.0126, 0.2967,
0.3083

Harmonies

Analogous

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



13.7928, 0.4841, 0.4009



13.7928, 0.4384, 0.4610



13.7928, 0.3631, 0.4952

Triad

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



13.7928, 0.4384, 0.4610



13.7928, 0.1699, 0.2848



13.7928, 0.3276, 0.2304

Complementary

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



13.7928, 0.4384, 0.4610



3.7785, 0.1812, 0.1347

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.



13.7928, 0.2442, 0.2023



13.7928, 0.4384, 0.4610



13.7928, 0.1641, 0.2239

Square

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



13.7928, 0.4384, 0.4610



13.7928, 0.2090, 0.3789



13.7928, 0.1887, 0.1987



13.7928, 0.4188, 0.2780

Rectangle

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



13.7928, 0.4384, 0.4610



13.7928, 0.3068, 0.4851



13.7928, 0.1887, 0.1987



13.7928, 0.2974, 0.2186

Sweetspot

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



13.7935, 0.4384, 0.4610



31.6306, 0.3490, 0.3734



5.2209, 0.5118, 0.2929



7.3417, 0.3541, 0.3793



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.



13.7935, 0.4384, 0.4610



22.9038, 0.4583, 0.4696



16.8056, 0.3747, 0.5140



4.4923, 0.3260, 0.3456



13.0222, 0.4624, 0.4710



60.8254, 0.4651, 0.4689

Inverse Universe

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



3.7785, 0.1812, 0.1347



4.3261, 0.1614, 0.0947



2.9620, 0.1977, 0.1081



4.0226, 0.2994, 0.3118



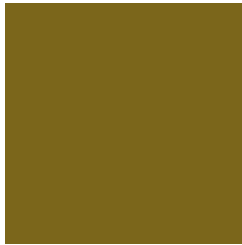
2.2781, 0.1577, 0.0877



9.8083, 0.1556, 0.0803

Previews

White Background



This preview shows how the Yxy color 13.7928, 0.4384, 0.4610 looks on a white background.

Color Contrast Check

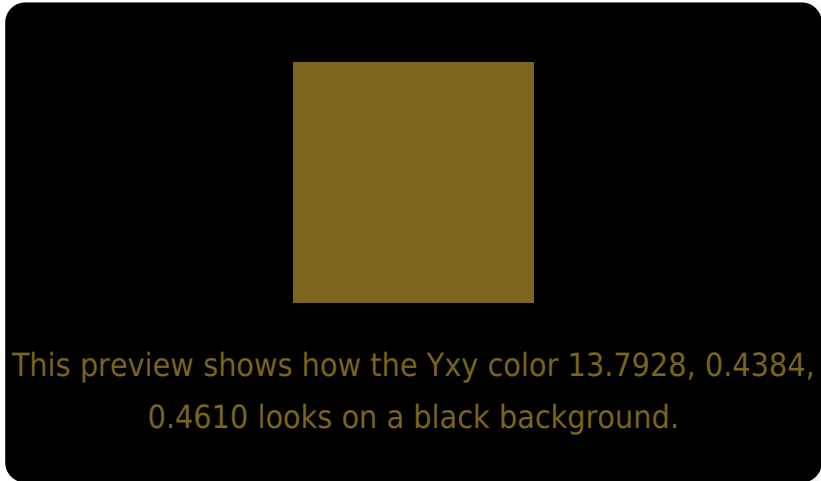
Large Text (above 18pt) WCAG AA ✓ Pass

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

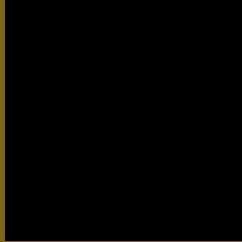
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7928, 0.4384, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 13.7928, 0.4384, 0.4610.



This preview shows how white text looks on a background with the Yxy color 13.7928, 0.4384, 0.4610.

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

13.7928, 0.4384, 0.4610

Protanopia

13.7664, 0.4256, 0.4689

Deuteranopia

13.8328, 0.4542, 0.4478



Tritanopia

13.7329, 0.3536, 0.3154

Trichromacy



Original Color

13.7928, 0.4384, 0.4610

Protanomaly

13.7063, 0.4301, 0.4654

Deuteranomaly

13.7874, 0.4482, 0.4521

Tritanomaly

13.6790, 0.3905, 0.3751

Monochromacy



Original Color

13.7928, 0.4384, 0.4610

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9765, 0.3628, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7928, 0.4384, 0.4610 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 27) }
```

Border

The CSS property to change the border of an element to Yxy 13.7928, 0.4384, 0.4610 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, 27) }
```

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

```
.border{ border-color:rgb(123, 102, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 27);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7928, 0.4384, 0.4610 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, 27) }
```

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

```
.background{ background-color: rgb(123,  
102, 27) }
```

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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