

Converting Colors

$Y_{xy}(13.7407, 0.5387, 0.4005)$

Have a look what the booklet for
Yxy(13.7407, 0.5387, 0.4005)
contains.

Yxy(13.7684, 0.5378, 0.4010)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7684, 0.5378, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	A5500E
RGB	165, 80, 14
RGB Percent	65%, 31%, 5%
CMY	0.3529, 0.6863, 0.9449
CMYK	0.00, 0.52, 0.91, 0.35
HSL	26°, 84%, 35%
HSV	26°, 91%, 65%
XYZ	18.4655, 13.7684, 2.1013
YIQ	97.8910, 71.8460, -2.5060

Conversions

Conversions Part 2

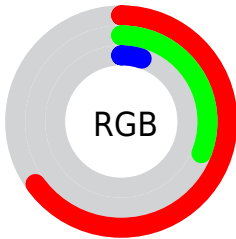
Format	Color
RYB	165, 131, 14
Decimal	10833934
CIELab	43.90, 31.40, 49.63
CIElCh	44, 58.727, 57.677
Yxy	13.7684, 0.5378, 0.4010
Android (android.graphics.Color)	4289024014 (0xFFA5500E)
YUV	97.8910, -41.3583, 58.8546
Hunter-Lab	37.1058, 23.8942, 22.6164

Details

The Yxy color **13.7684, 0.5378, 0.4010** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.7421, 0.1893, 0.1943**, and the grayscale version is **12.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7947, 0.4898, 0.3970**, and **4.0972, 0.5869, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **12.6465, 0.5577, 0.3954**, and if you desaturate by 10%, it is **15.2898, 0.5115, 0.4040**.

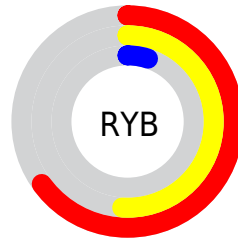
Distribution



Red (65%)

Green (31%)

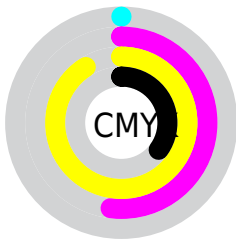
Blue (5%)



Red (65%)

Yellow (51%)

Blue (5%)

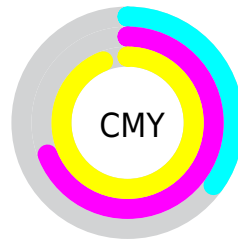


Cyan (0%)

Magenta (52%)

Yellow (91%)

Black (35%)



Cyan (35%)


Magenta (69%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7684, 0.5378, 0.4010 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 13.7684, 0.5378, 0.4010 by changing the saturation by 10% instead.


 13.7684, 0.5378,
0.4010


 13.7684, 0.5378,
0.4010

215.7852, 0.4104,
0.3745


 7.9598, 0.5704,
0.3987


 32.6775, 0.4900,
0.3968


 4.0692, 0.6112,
0.3888


 46.5468, 0.4722,
0.3933


 1.7124, 0.6464,
0.3536


 63.8717, 0.4574,
0.3896

 0.4316, 0.7392,
0.2608

 85.0367, 0.4449,
0.3861


 0.0000, 1.0000,
0.0000


 110.4262, 0.4343,
0.3828

 0.0000, 0.0000,
0.0000

 140.4245, 0.4252,


0.3798

 175.4160, 0.4173,
0.3770

 13.7684, 0.5378,
0.4010


 13.7684, 0.5378,
0.4010


 12.6465, 0.5577,
0.3954

 15.2898, 0.5115,
0.4040

 17.0503, 0.4823,
0.4020

 19.0633, 0.4523,
0.3959

 21.3406, 0.4232,
0.3868

 23.8928, 0.3961,
0.3760

■ 26.7299, 0.3717,
0.3644

■ 29.8613, 0.3502,
0.3527

■ 33.2959, 0.3313,
0.3413

■ 37.0422, 0.3150,
0.3305

Harmonies

Analogous

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



13.7684, 0.5348, 0.3244



13.7684, 0.5378, 0.4010



13.7684, 0.4732, 0.4843

Triad

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



13.7684, 0.5378, 0.4010



13.7684, 0.1787, 0.4075



13.7684, 0.2146, 0.1671

Complementary

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



13.7684, 0.5378, 0.4010



11.7421, 0.1893, 0.1943

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.



13.7684, 0.1510, 0.1633



13.7684, 0.5378, 0.4010



13.7684, 0.1314, 0.2715

Square

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



13.7684, 0.5378, 0.4010



13.7684, 0.2682, 0.5353



13.7684, 0.1244, 0.1931



13.7684, 0.3205, 0.1990

Rectangle

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



13.7684, 0.5378, 0.4010



13.7684, 0.4097, 0.5343



13.7684, 0.1244, 0.1931



13.7684, 0.1888, 0.1625

Sweetspot

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



13.7692, 0.5378, 0.4010



50.0460, 0.3628, 0.3597



9.2268, 0.4492, 0.2309



10.5579, 0.3699, 0.3635



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.7692, 0.5378, 0.4010



22.2594, 0.5607, 0.3930



31.4530, 0.4280, 0.4929



7.5714, 0.3275, 0.3389



9.6633, 0.5560, 0.3967



0.2965, 0.4963, 0.4441

Inverse Universe

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



11.7421, 0.1893, 0.1943



18.4448, 0.1827, 0.1778



3.4682, 0.1565, 0.0743



7.4905, 0.2987, 0.3189



8.0657, 0.1840, 0.1822



0.2614, 0.2004, 0.2413

Previews

White Background



This preview shows how the Yxy color 13.7684, 0.5378, 0.4010 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



This preview shows how the Yxy color 13.7684, 0.5378, 0.4010 looks on a 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 13.7684, 0.5378, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 13.7684, 0.5378, 0.4010.



This preview shows how white text looks on a background with the Yxy color 13.7684, 0.5378, 0.4010.

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

13.7684, 0.5378, 0.4010

Protanopia

14.0088, 0.4304, 0.4763

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.8268, 0.4635, 0.3220

Trichromacy



Original Color

13.7684, 0.5378, 0.4010

Protanomaly

13.5603, 0.4717, 0.4478

Deuteranomaly

13.5945, 0.4968, 0.4398

Tritanomaly

13.7003, 0.5002, 0.3589

Monochromacy



Original Color

13.7684, 0.5378, 0.4010

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0250, 0.4024, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7684, 0.5378, 0.4010 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(165, 80, 14)` looks like.

```
.text, #text, p{  
    color:rgb(165, 80, 14)  
}
```

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(165, 80, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 80, 14) }
```

Border

The CSS property to change the border of an element to Yxy 13.7684, 0.5378, 0.4010 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(165, 80, 14) }
```

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

```
.border{ border-color:rgb(165, 80, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 80, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 80, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 80, 14);  
box-shadow:4px 4px 4px 4px rgb(165, 80,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7684, 0.5378, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 80, 14) }
```

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

```
.background{ background-color: rgb(165, 80,  
14) }
```

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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