

Converting Colors

$Y_{xy}(13.6605, 0.4802, 0.4372)$

Have a look what the booklet for
Yxy(13.6605, 0.4802, 0.4372)
contains.

Yxy(13.6388, 0.4795, 0.4371)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6388, 0.4795, 0.4371)

Conversions

Conversions Part 1

Format	Color
Hex	8C5E16
RGB	140, 94, 22
RGB Percent	55%, 37%, 9%
CMY	0.4510, 0.6313, 0.9138
CMYK	0.00, 0.33, 0.84, 0.45
HSL	37°, 73%, 32%
HSV	37°, 84%, 55%
XYZ	14.9618, 13.6388, 2.6023
YIQ	99.5460, 50.5280, -12.6400

Conversions

Conversions Part 2

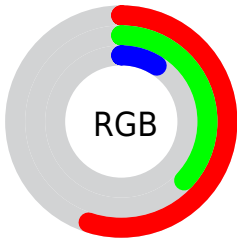
Format	Color
R_{YB}	97, 140, 22
Decimal	9199126
CIE _{Lab}	43.71, 12.60, 45.34
CIE _{LCh}	44, 47.057, 74.470
Yxy	13.6388, 0.4795, 0.4371
Android (android.graphics.Color)	4287389206 (0xFF8C5E16)
YUV	99.5460, -38.2302, 35.4782
Hunter-Lab	36.9307, 7.6871, 21.6737

Details

The Yxy color **13.6388, 0.4795, 0.4371** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.1948, 0.1830, 0.1590**, and the grayscale version is **12.7119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4202, 0.4447, 0.4187**, and **4.0452, 0.5123, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **12.6628, 0.4968, 0.4371**, and if you desaturate by 10%, it is **14.7138, 0.4595, 0.4323**.

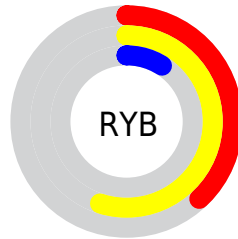
Distribution



Red (55%)

Green (37%)

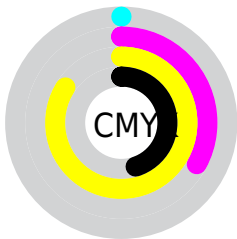
Blue (9%)



Red (38%)

Yellow (55%)

Blue (9%)

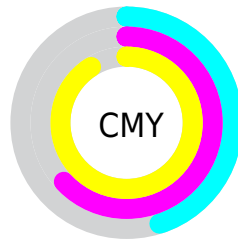


Cyan (0%)

Magenta (33%)

Yellow (84%)

Black (45%)



Cyan (45%)


Magenta (63%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6388, 0.4795, 0.4371 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 13.6388, 0.4795, 0.4371 by changing the saturation by 10% instead.


 13.6388, 0.4795,
0.4371


 13.6388, 0.4795,
0.4371


214.9721, 0.3849,
0.3821


 7.8699, 0.5033,
0.4461


 32.4467, 0.4437,
0.4190


 4.0118, 0.5405,
0.4595

 46.2546, 0.4305,
0.4114


 1.6802, 0.5574,
0.4426


 63.5108, 0.4195,
0.4047

 0.4108, 0.6295,
0.3705


 84.5998, 0.4102,
0.3989


 0.0000, 0.0000,
0.0000


 109.9061, 0.4024,
0.3938


 139.8140, 0.3957,

0.3894


 174.7078, 0.3899,
0.3855

 13.6388, 0.4795,
0.4371


 13.6388, 0.4795,
0.4371


 12.6628, 0.4968,
0.4371


 14.7138, 0.4595,
0.4323

 12.1412, 0.5064,
0.4361

 15.8916, 0.4377,
0.4233

 17.1776, 0.4154,
0.4111

 18.5761, 0.3934,
0.3968

 20.0913, 0.3724,
0.3814

■ 21.7268, 0.3529,
0.3657

■ 23.4861, 0.3351,
0.3501

■ 25.3725, 0.3191,
0.3352

■ 27.3892, 0.3047,
0.3210

Harmonies

Analogous

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



13.6388, 0.5057, 0.3683



13.6388, 0.4795, 0.4371



13.6388, 0.4100, 0.4964

Triad

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



13.6388, 0.4795, 0.4371



13.6388, 0.1745, 0.3294



13.6388, 0.2782, 0.2039

Complementary

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



13.6388, 0.4795, 0.4371



6.1948, 0.1830, 0.1590

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.



13.6388, 0.2029, 0.1867



13.6388, 0.4795, 0.4371



13.6388, 0.1513, 0.2421

Square

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



13.6388, 0.4795, 0.4371



13.6388, 0.2344, 0.4410



13.6388, 0.1612, 0.1972



13.6388, 0.3785, 0.2447

Rectangle

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



13.6388, 0.4795, 0.4371



13.6388, 0.3515, 0.5132



13.6388, 0.1612, 0.1972



13.6388, 0.2495, 0.1953

Sweetspot

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



13.6395, 0.4795, 0.4371



37.9421, 0.3553, 0.3676



6.5803, 0.4863, 0.2627



8.5331, 0.3612, 0.3725



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.6395, 0.4795, 0.4371



21.0891, 0.5086, 0.4343



23.4161, 0.3996, 0.5071



5.5231, 0.3266, 0.3423



10.8281, 0.5058, 0.4366



0.1005, 0.4597, 0.4732

Inverse Universe

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



6.1948, 0.1830, 0.1590



7.7881, 0.1677, 0.1235



2.8031, 0.1692, 0.0836



5.1911, 0.2991, 0.3153



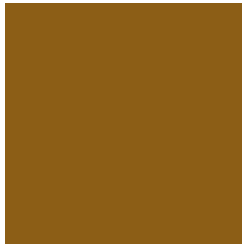
4.1093, 0.1689, 0.1281



0.0543, 0.1918, 0.2104

Previews

White Background



This preview shows how the Yxy color 13.6388, 0.4795, 0.4371 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 13.6388, 0.4795, 0.4371 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 13.6388, 0.4795, 0.4371

Background



This preview shows how black text looks on a background with the Yxy color 13.6388, 0.4795, 0.4371.



This preview shows how white text looks on a background with the Yxy color 13.6388, 0.4795, 0.4371.

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

13.6388, 0.4795, 0.4371

Protanopia

13.7527, 0.4278, 0.4721

Deuteranopia

13.6077, 0.4620, 0.4541



Tritanopia

13.7169, 0.3950, 0.3185

Trichromacy



Original Color

13.6388, 0.4795, 0.4371

Protanomaly

13.5403, 0.4467, 0.4589

Deuteranomaly

13.6682, 0.4674, 0.4489

Tritanomaly

13.5693, 0.4351, 0.3683

Monochromacy



Original Color

13.6388, 0.4795, 0.4371

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8481, 0.3775, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6388, 0.4795, 0.4371 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(140, 94, 22)` looks like.

```
.text, #text, p{  
  color:rgb(140, 94, 22)  
}
```

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(140, 94, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 94, 22) }
```

Border

The CSS property to change the border of an element to Yxy 13.6388, 0.4795, 0.4371 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(140, 94, 22) }
```

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

```
.border{ border-color:rgb(140, 94, 22) }
```

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

Here you see how a box with a 4 pixel rgb(140, 94, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 94, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 94, 22);  
box-shadow:4px 4px 4px 4px rgb(140, 94,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6388, 0.4795, 0.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 94, 22) }
```

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

```
.background{ background-color: rgb(140, 94,  
22) }
```

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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