

Converting Colors

$Y_{xy}(10.2358, 0.4917, 0.3928)$

Have a look what the booklet for
Yxy(10.2358, 0.4917, 0.3928)
contains.

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Color

Yxy(10.1820, 0.4913, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	874A25
RGB	135, 74, 37
RGB Percent	53%, 29%, 15%
CMY	0.4706, 0.7098, 0.8548
CMYK	0.00, 0.45, 0.73, 0.47
HSL	23°, 57%, 34%
HSV	23°, 73%, 53%
XYZ	12.7743, 10.1820, 3.0447
YIQ	88.0210, 48.2330, 1.4250

Conversions

Conversions Part 2

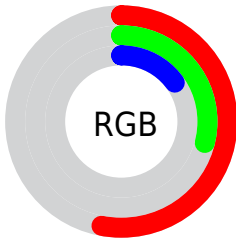
Format	Color
R_{YB}	135, 96, 37
Decimal	8866341
CIE _{Lab}	38.17, 22.64, 32.69
CIE _{LCh}	38, 39.760, 55.296
Yxy	10.1820, 0.4913, 0.3916
Android (android.graphics.Color)	4287056421 (0xFF874A25)
YUV	88.0210, -25.1534, 41.2006
Hunter-Lab	31.9092, 15.6181, 16.6791

Details

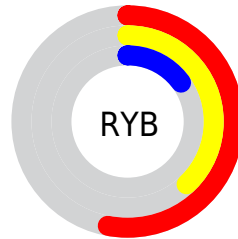
The Yxy color **10.1820, 0.4913, 0.3916** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.8824, 0.2117, 0.2423**, and the grayscale version is **9.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0125, 0.4458, 0.3812**, and **2.5798, 0.5697, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **9.0645, 0.5229, 0.3925**, and if you desaturate by 10%, it is **11.4820, 0.4590, 0.3868**.

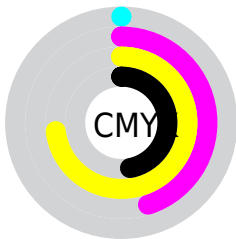
Distribution



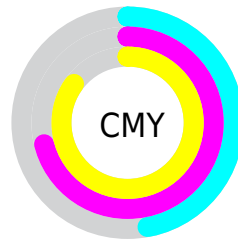
- Red (53%)
- Green (29%)
- Blue (15%)



- Red (53%)
- Yellow (38%)
- Blue (15%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (47%)





- Cyan (47%)
- Magenta (71%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1820, 0.4913, 0.3916 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 10.1820, 0.4913, 0.3916 by changing the saturation by 10% instead.


 10.1820, 0.4913,
0.3916


 10.1820, 0.4913,
0.3916


191.9661, 0.3818,
0.3608


 5.5198, 0.5255,
0.3947

 26.1373, 0.4461,
0.3822


 2.5554, 0.5934,
0.4066

 38.1991, 0.4307,
0.3779

 0.9043, 0.6316,
0.3684

 53.4963, 0.4184,
0.3741

 0.0000, 1.0000,
0.0000

 72.4132, 0.4084,
0.3707

 0.0000, 0.0000,
0.0000

 95.3343, 0.4000,
0.3677

 122.6439, 0.3930,

0.3651

154.7263, 0.3870,
0.3629

10.1820, 0.4913,
0.3916

10.1820, 0.4913,
0.3916

9.0645, 0.5229,
0.3925

11.4820, 0.4590,
0.3868

8.1182, 0.5515,
0.3887

12.9715, 0.4281,
0.3793

7.5139, 0.5716,
0.3844

14.6590, 0.3997,
0.3701

16.5522, 0.3744,
0.3602

18.6579, 0.3522,
0.3502

■ 20.9831, 0.3331,
0.3405

■ 23.5340, 0.3166,
0.3313

■ 26.3167, 0.3024,
0.3227

■ 29.3371, 0.2903,
0.3147

Harmonies

Analogous

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



10.1820, 0.4778, 0.3271



10.1820, 0.4913, 0.3916



10.1820, 0.4507, 0.4548

Triad

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



10.1820, 0.4913, 0.3916



10.1820, 0.2156, 0.3964



10.1820, 0.2316, 0.1974

Complementary

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



10.1820, 0.4913, 0.3916



10.8824, 0.2117, 0.2423

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.



10.1820, 0.1802, 0.1977



10.1820, 0.4913, 0.3916



10.1820, 0.1706, 0.2964

Square

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



10.1820, 0.4913, 0.3916



10.1820, 0.2909, 0.4812



10.1820, 0.1598, 0.2284



10.1820, 0.3132, 0.2224

Rectangle

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



10.1820, 0.4913, 0.3916



10.1820, 0.4037, 0.4876



10.1820, 0.1598, 0.2284



10.1820, 0.2109, 0.1945

Sweetspot

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



10.1825, 0.4913, 0.3916



33.4454, 0.3521, 0.3502



7.3779, 0.3929, 0.2246



7.5356, 0.3569, 0.3525



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.1825, 0.4913, 0.3916



15.1183, 0.5417, 0.3907



19.1872, 0.4213, 0.4679



4.9555, 0.3271, 0.3372



6.9534, 0.5709, 0.3849



0.0373, 0.5002, 0.4410

Inverse Universe

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



10.8824, 0.2117, 0.2423



16.3115, 0.1973, 0.2192



4.4322, 0.1839, 0.1298



4.9913, 0.2992, 0.3206



7.4929, 0.1901, 0.2043



0.0401, 0.2072, 0.2660

Previews

White Background



This preview shows how the Yxy color 10.1820, 0.4913, 0.3916 looks on a white background.

Color Contrast Check

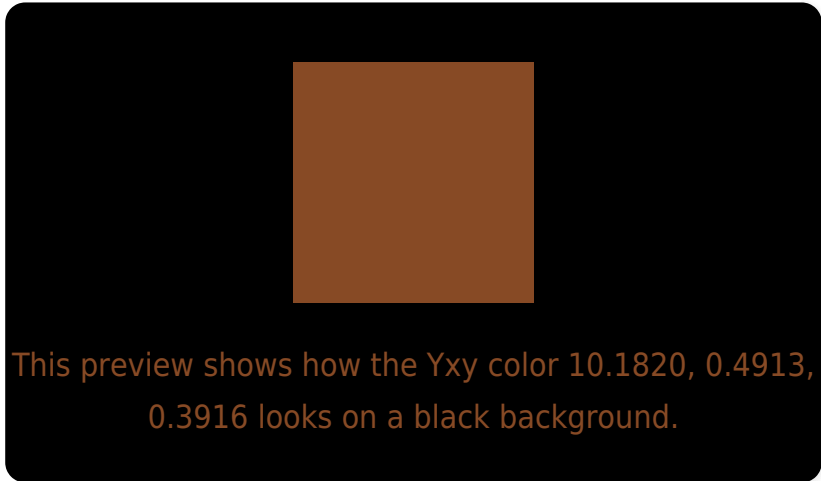
Large Text (above 18pt) WCAG AA ✓ Pass

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

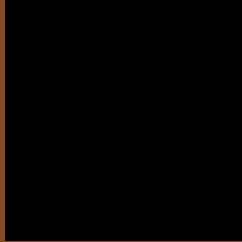
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1820, 0.4913, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 10.1820, 0.4913, 0.3916.



This preview shows how white text looks on a background with the Yxy color 10.1820, 0.4913, 0.3916.

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

10.1820, 0.4913, 0.3916

Protanopia

10.3587, 0.4012, 0.4414

Deuteranopia

10.2818, 0.4407, 0.4346



Tritanopia

10.2067, 0.4321, 0.3201

Trichromacy



Original Color

10.1820, 0.4913, 0.3916

Protanomaly

10.1609, 0.4347, 0.4230

Deuteranomaly

10.2209, 0.4593, 0.4189

Tritanomaly

10.0776, 0.4570, 0.3476

Monochromacy



Original Color

10.1820, 0.4913, 0.3916

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6194, 0.3761, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1820, 0.4913, 0.3916 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(135, 74, 37)` looks like.

```
.text, #text, p{  
    color:rgb(135, 74, 37)  
}
```

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(135, 74, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 74, 37) }
```

Border

The CSS property to change the border of an element to Yxy 10.1820, 0.4913, 0.3916 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(135, 74, 37) }
```

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

```
.border{ border-color:rgb(135, 74, 37) }
```

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

Here you see how a box with a 4 pixel rgb(135, 74, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 74, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 74, 37);  
box-shadow:4px 4px 4px 4px rgb(135, 74,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1820, 0.4913, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 74, 37) }
```

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

```
.background{ background-color: rgb(135, 74,  
37) }
```

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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