

Converting Colors

$Y_{xy}(10.1348, 0.5056, 0.3969)$

Have a look what the booklet for
Yxy(10.1348, 0.5056, 0.3969)
contains.

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Color

Yxy(10.1772, 0.5048, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	89491E
RGB	137, 73, 30
RGB Percent	54%, 29%, 12%
CMY	0.4627, 0.7137, 0.8823
CMYK	0.00, 0.47, 0.78, 0.46
HSL	24°, 64%, 33%
HSV	24°, 78%, 54%
XYZ	12.9342, 10.1772, 2.5110
YIQ	87.2340, 51.9470, 0.1950

Conversions

Conversions Part 2

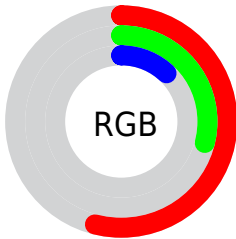
Format	Color
R_{YB}	137, 102, 30
Decimal	8997150
CIE Lab	38.16, 23.74, 36.45
CIE LCh	38, 43.497, 56.926
Yxy	10.1772, 0.5048, 0.3972
Android (android.graphics.Color)	4287187230 (0xFF89491E)
YUV	87.2340, -28.2164, 43.6448
Hunter-Lab	31.9017, 16.5426, 17.6645

Details

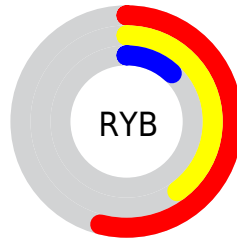
The Yxy color **10.1772, 0.5048, 0.3972** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.0889, 0.2045, 0.2278**, and the grayscale version is **9.6380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0570, 0.4578, 0.3872**, and **2.5777, 0.5742, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **9.1155, 0.5340, 0.3960**, and if you desaturate by 10%, it is **11.4124, 0.4737, 0.3940**.

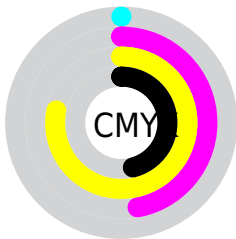
Distribution



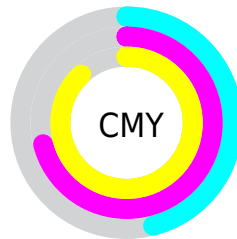
- Red (54%)
- Green (29%)
- Blue (12%)



- Red (54%)
- Yellow (40%)
- Blue (12%)



- Cyan (0%)
- Magenta (47%)
- Yellow (78%)
- Black (46%)




- Cyan (46%)
- Magenta (71%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1772, 0.5048, 0.3972 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 10.1772, 0.5048, 0.3972 by changing the saturation by 10% instead.


 10.1772, 0.5048,
0.3972


 10.1772, 0.5048,
0.3972


191.9321, 0.3881,
0.3649


 5.5166, 0.5397,
0.3991

 26.1283, 0.4574,
0.3882


 2.5534, 0.5981,
0.4019

 38.1875, 0.4410,
0.3836


 0.9033, 0.6377,
0.3623

 53.4818, 0.4278,
0.3795

 0.0000, 1.0000,
0.0000


 72.3955, 0.4169,
0.3758

 0.0000, 0.0000,
0.0000

 95.3130, 0.4079,
0.3726


 122.6186, 0.4003,

0.3697

 154.6969, 0.3938,
0.3672


 10.1772, 0.5048,
0.3972


 10.1772, 0.5048,
0.3972


 9.1155, 0.5340,
0.3960

 11.4124, 0.4737,
0.3940


 8.2124, 0.5600,
0.3906

 12.8282, 0.4429,
0.3873

 8.0565, 0.5650,
0.3895

 14.4331, 0.4138,
0.3783

 16.2345, 0.3873,
0.3681

 18.2394, 0.3638,
0.3575

■ 20.4543, 0.3432,
0.3469

■ 22.8856, 0.3254,
0.3368

■ 25.5391, 0.3100,
0.3272

■ 28.4206, 0.2967,
0.3184

Harmonies

Analogous

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



10.1772, 0.4954, 0.3287



10.1772, 0.5048, 0.3972



10.1772, 0.4563, 0.4660

Triad

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



10.1772, 0.5048, 0.3972



10.1772, 0.2032, 0.3965



10.1772, 0.2287, 0.1887

Complementary

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



10.1772, 0.5048, 0.3972



10.0889, 0.2045, 0.2278

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.



10.1772, 0.1725, 0.1870



10.1772, 0.5048, 0.3972



10.1772, 0.1582, 0.2870

Square

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



10.1772, 0.5048, 0.3972



10.1772, 0.2824, 0.4944



10.1772, 0.1493, 0.2167



10.1772, 0.3181, 0.2166

Rectangle

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



10.1772, 0.5048, 0.3972



10.1772, 0.4041, 0.5026



10.1772, 0.1493, 0.2167



10.1772, 0.2061, 0.1851

Sweetspot

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



10.1777, 0.5048, 0.3972



34.4355, 0.3540, 0.3526



7.0593, 0.4107, 0.2263



7.4474, 0.3607, 0.3560



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.



10.1777, 0.5048, 0.3972



15.0158, 0.5543, 0.3914



20.4125, 0.4229, 0.4783



5.3570, 0.3271, 0.3378



7.5263, 0.5645, 0.3899



0.0774, 0.4951, 0.4451

Inverse Universe

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



10.0889, 0.2045, 0.2278



14.6888, 0.1904, 0.2010



3.6477, 0.1739, 0.1087



5.3570, 0.2991, 0.3200



7.3200, 0.1877, 0.1955



0.0774, 0.2058, 0.2609

Previews

White Background



This preview shows how the Yxy color 10.1772, 0.5048, 0.3972 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 10.1772, 0.5048, 0.3972 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 10.1772, 0.5048, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 10.1772, 0.5048, 0.3972.



This preview shows how white text looks on a background with the Yxy color 10.1772, 0.5048, 0.3972.

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

10.1772, 0.5048, 0.3972

Protanopia

10.3702, 0.4114, 0.4533

Deuteranopia

10.3076, 0.4510, 0.4447



Tritanopia

10.2263, 0.4403, 0.3221

Trichromacy



Original Color

10.1772, 0.5048, 0.3972

Protanomaly

10.0279, 0.4468, 0.4315

Deuteranomaly

10.1016, 0.4718, 0.4268

Tritanomaly

10.0790, 0.4689, 0.3524

Monochromacy



Original Color

10.1772, 0.5048, 0.3972

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4312, 0.3821, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1772, 0.5048, 0.3972 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(137, 73, 30)` looks like.

```
.text, #text, p{  
    color:rgb(137, 73, 30)  
}
```

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(137, 73, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 73, 30) }
```

Border

The CSS property to change the border of an element to Yxy 10.1772, 0.5048, 0.3972 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(137, 73, 30) }
```

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

```
.border{ border-color:rgb(137, 73, 30) }
```

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

Here you see how a box with a 4 pixel rgb(137, 73, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 73, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 73, 30);  
box-shadow:4px 4px 4px 4px rgb(137, 73,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1772, 0.5048, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 73, 30) }
```

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

```
.background{ background-color: rgb(137, 73,  
30) }
```

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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