

Converting Colors

$Y_{xy}(24.0414, 0.4290, 0.4079)$

Have a look what the booklet for
Yxy(24.0414, 0.4290, 0.4079)
contains.

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Color

Yxy(23.9488, 0.4294, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	AA7E49
RGB	170, 126, 73
RGB Percent	67%, 49%, 29%
CMY	0.3333, 0.5059, 0.7138
CMYK	0.00, 0.26, 0.57, 0.33
HSL	33°, 40%, 48%
HSV	33°, 57%, 67%
XYZ	25.2421, 23.9488, 9.5936
YIQ	133.1140, 43.2370, -7.1550

Conversions

Conversions Part 2

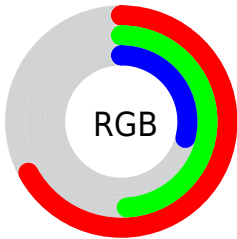
Format	Color
RYB	154, 170, 73
Decimal	11173449
CIELab	56.04, 10.89, 35.20
CIElCh	56, 36.850, 72.815
Yxy	23.9488, 0.4294, 0.4074
Android (android.graphics.Color)	4289363529 (0xFFAA7E49)
YUV	133.1140, -29.6362, 32.3490
Hunter-Lab	48.9375, 6.4300, 22.6331

Details

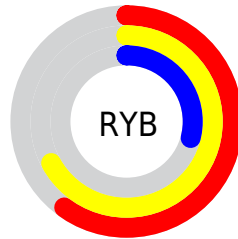
The Yxy color **23.9488, 0.4294, 0.4074** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.0406, 0.2215, 0.2307**, and the grayscale version is **23.5979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1642, 0.4052, 0.3933**, and **9.0272, 0.4689, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **21.8577, 0.4546, 0.4174**, and if you desaturate by 10%, it is **26.2560, 0.4047, 0.3949**.

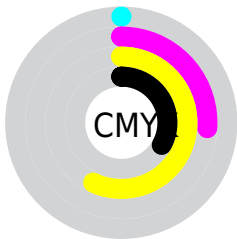
Distribution



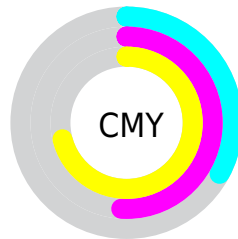
- Red (67%)
- Green (49%)
- Blue (29%)



- Red (60%)
- Yellow (67%)
- Blue (29%)



- Cyan (0%)
- Magenta (26%)
- Yellow (57%)
- Black (33%)





- Cyan (33%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9488, 0.4294, 0.4074 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 23.9488, 0.4294, 0.4074 by changing the saturation by 10% instead.


 23.9488, 0.4294,
0.4074


 23.9488, 0.4294,
0.4074


272.5615, 0.3657,
0.3673


 15.2956, 0.4464,
0.4166


 49.9466, 0.4052,
0.3931


 9.0271, 0.4683,
0.4274


 68.0601, 0.3964,
0.3876


 4.7589, 0.4978,
0.4396

 90.0958, 0.3891,
0.3829

 2.1065, 0.5441,
0.4559

 116.4381, 0.3829,
0.3789

 0.6683, 0.5745,
0.4255

 147.4715, 0.3777,
0.3754

 0.0000, 0.0000,
0.0000

183.5802, 0.3731,

0.3724

225.1488, 0.3692,
0.3697

■ 23.9488, 0.4294,
0.4074

■ 23.9488, 0.4294,
0.4074

■ 21.8577, 0.4546,
0.4174

■ 26.2560, 0.4047,
0.3949

■ 19.9705, 0.4791,
0.4237

■ 28.7835, 0.3815,
0.3810

■ 18.2789, 0.5015,
0.4252

■ 31.5399, 0.3601,
0.3665

■ 16.7704, 0.5208,
0.4217

■ 34.5322, 0.3408,
0.3522

■ 16.3570, 0.5263,
0.4203

■ 37.7668, 0.3236,
0.3383

■ 41.2499, 0.3085,
0.3252

■ 44.9877, 0.2951,
0.3130

■ 48.9857, 0.2834,
0.3017

■ 53.2496, 0.2731,
0.2914

Harmonies

Analogous

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



23.9488, 0.4400, 0.3604



23.9488, 0.4294, 0.4074



23.9488, 0.3868, 0.4409

Triad

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



23.9488, 0.4294, 0.4074



23.9488, 0.2209, 0.3361



23.9488, 0.2880, 0.2401

Complementary

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



23.9488, 0.4294, 0.4074



17.0406, 0.2215, 0.2307

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.



23.9488, 0.2356, 0.2293



23.9488, 0.4294, 0.4074



23.9488, 0.2002, 0.2768

Square

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



23.9488, 0.4294, 0.4074



23.9488, 0.2661, 0.4017



23.9488, 0.2055, 0.2406



23.9488, 0.3533, 0.2693

Rectangle

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



23.9488, 0.4294, 0.4074



23.9488, 0.3477, 0.4466



23.9488, 0.2055, 0.2406



23.9488, 0.2684, 0.2342

Sweetspot

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



23.9500, 0.4294, 0.4074



62.5121, 0.3413, 0.3525



14.6251, 0.3991, 0.2624



13.6989, 0.3448, 0.3553



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.9500, 0.4294, 0.4074



38.8816, 0.4600, 0.4191



37.4242, 0.3896, 0.4634



8.1961, 0.3273, 0.3413



12.1438, 0.5249, 0.4215



0.3957, 0.4816, 0.4558

Inverse Universe

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



17.0406, 0.2215, 0.2307



25.1923, 0.2041, 0.2052



9.2122, 0.2072, 0.1510



7.8400, 0.2987, 0.3163



6.1595, 0.1738, 0.1457



0.2528, 0.1918, 0.2106

Previews

White Background



This preview shows how the Yxy color 23.9488, 0.4294, 0.4074 looks on a white 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

Black Background



This preview shows how the Yxy color 23.9488, 0.4294, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

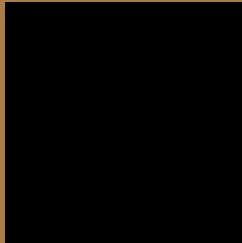
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9488, 0.4294, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 23.9488, 0.4294, 0.4074.



This preview shows how white text looks on a background with the Yxy color 23.9488, 0.4294, 0.4074.

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

23.9488, 0.4294, 0.4074

Protanopia

24.1456, 0.3915, 0.4262

Deuteranopia

23.9056, 0.4225, 0.4138



Tritanopia

23.7773, 0.3702, 0.3142

Trichromacy



Original Color

23.9488, 0.4294, 0.4074

Protanomaly

24.0784, 0.4048, 0.4196

Deuteranomaly

23.8621, 0.4258, 0.4115

Tritanomaly

23.9074, 0.3933, 0.3489

Monochromacy



Original Color

23.9488, 0.4294, 0.4074

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2240, 0.3534, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9488, 0.4294, 0.4074 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(170, 126, 73)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 73)  
}
```

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(170, 126, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 73) }
```

Border

The CSS property to change the border of an element to Yxy 23.9488, 0.4294, 0.4074 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(170, 126, 73) }
```

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

```
.border{ border-color:rgb(170, 126, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 126, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 73);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9488, 0.4294, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 73) }
```

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

```
.background{ background-color: rgb(170,  
126, 73) }
```

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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