

Converting Colors

$Y_{xy}(18.5307, 0.4125, 0.4001)$

Have a look what the booklet for
Yxy(18.5307, 0.4125, 0.4001)
contains.

Yxy(18.4812, 0.4129, 0.3993)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4812, 0.4129, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	937148
RGB	147, 113, 72
RGB Percent	58%, 44%, 28%
CMY	0.4234, 0.5569, 0.7176
CMYK	0.00, 0.23, 0.51, 0.42
HSL	33°, 34%, 43%
HSV	33°, 51%, 58%
XYZ	19.1107, 18.4812, 8.6921
YIQ	118.4920, 33.4250, -5.5430

Conversions

Conversions Part 2

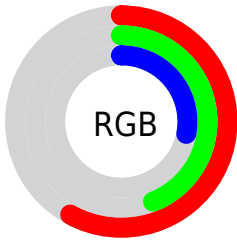
Format	Color
R_{YB}	134, 147, 72
Decimal	9662792
CIE Lab	50.07, 8.12, 27.81
CIE LCh	50, 28.966, 73.729
Yxy	18.4812, 0.4129, 0.3993
Android (android.graphics.Color)	4287852872 (0xFF937148)
YUV	118.4920, -22.9206, 25.0015
Hunter-Lab	42.9898, 4.1183, 18.1049

Details

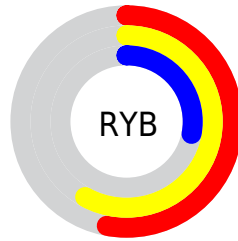
The Yxy color **18.4812, 0.4129, 0.3993** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8010, 0.2319, 0.2443**, and the grayscale version is **18.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9873, 0.3906, 0.3855**, and **6.2394, 0.4520, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **16.8788, 0.4375, 0.4110**, and if you desaturate by 10%, it is **20.2407, 0.3894, 0.3859**.

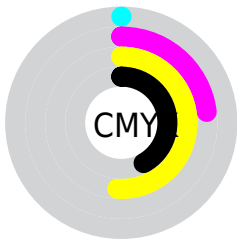
Distribution



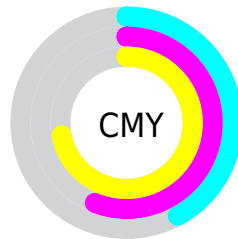
- Red (58%)
- Green (44%)
- Blue (28%)



- Red (53%)
- Yellow (58%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (51%)
- Black (42%)



- Cyan (42%)
- Magenta (56%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4812, 0.4129, 0.3993 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 18.4812, 0.4129, 0.3993 by changing the saturation by 10% instead.


 18.4812, 0.4129,
0.3993


 18.4812, 0.4129,
0.3993

243.5695, 0.3557,
0.3610


 11.2960, 0.4296,
0.4093


 40.8556, 0.3903,
0.3848


 6.2663, 0.4521,
0.4218

 56.8136, 0.3824,
0.3795


 3.0077, 0.4887,
0.4414

 76.4646, 0.3759,
0.3751

 1.1357, 0.5395,
0.4605

 100.1931, 0.3705,
0.3714

 0.0083, 0.9614,
0.0386

 128.3835, 0.3659,
0.3682

 0.0000, 0.0000,
0.0000

161.4200, 0.3620,

0.3655

199.6873, 0.3586,
0.3631

■ 18.4812, 0.4129,
0.3993

■ 18.4812, 0.4129,
0.3993

■ 16.8788, 0.4375,
0.4110

■ 20.2407, 0.3894,
0.3859

■ 15.4251, 0.4624,
0.4198

■ 22.1598, 0.3675,
0.3717

■ 14.1148, 0.4861,
0.4247

■ 24.2444, 0.3477,
0.3575

■ 12.9410, 0.5074,
0.4246

■ 26.4992, 0.3300,
0.3436

■ 11.9908, 0.5248,
0.4215

■ 28.9285, 0.3142,
0.3303

■ 31.5367, 0.3003,
0.3179

■ 34.3279, 0.2881,
0.3064

■ 37.3059, 0.2774,
0.2957

■ 40.4746, 0.2679,
0.2860

Harmonies

Analogous

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



18.4812, 0.4221, 0.3590



18.4812, 0.4129, 0.3993



18.4812, 0.3762, 0.4259

Triad

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



18.4812, 0.4129, 0.3993



18.4812, 0.2324, 0.3340



18.4812, 0.2934, 0.2518

Complementary

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



18.4812, 0.4129, 0.3993



13.8010, 0.2319, 0.2443

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.



18.4812, 0.2471, 0.2420



18.4812, 0.4129, 0.3993



18.4812, 0.2144, 0.2836

Square

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



18.4812, 0.4129, 0.3993



18.4812, 0.2717, 0.3890



18.4812, 0.2196, 0.2520



18.4812, 0.3496, 0.2781

Rectangle

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



18.4812, 0.4129, 0.3993



18.4812, 0.3423, 0.4288



18.4812, 0.2196, 0.2520



18.4812, 0.2763, 0.2465

Sweetspot

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



18.4821, 0.4129, 0.3993



45.6725, 0.3373, 0.3495



11.9028, 0.3846, 0.2691



10.2498, 0.3407, 0.3521



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.4821, 0.4129, 0.3993



29.8827, 0.4406, 0.4122



27.3188, 0.3822, 0.4501



6.3090, 0.3270, 0.3411



10.4419, 0.5240, 0.4221



0.1868, 0.4691, 0.4657

Inverse Universe

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



13.8010, 0.2319, 0.2443



20.5623, 0.2149, 0.2214



8.2193, 0.2208, 0.1737



6.0404, 0.2989, 0.3166



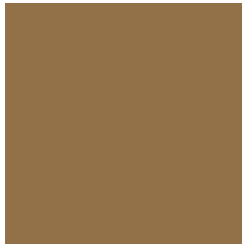
5.3222, 0.1741, 0.1468



0.1228, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 18.4812, 0.4129, 0.3993 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 18.4812, 0.4129, 0.3993 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 18.4812, 0.4129, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 18.4812, 0.4129, 0.3993.



This preview shows how white text looks on a background with the Yxy color 18.4812, 0.4129, 0.3993.

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

18.4812, 0.4129, 0.3993

Protanopia

18.4339, 0.3819, 0.4132

Deuteranopia

18.5222, 0.4092, 0.4018



Tritanopia

18.5654, 0.3617, 0.3156

Trichromacy



Original Color

18.4812, 0.4129, 0.3993

Protanomaly

18.4379, 0.3930, 0.4090

Deuteranomaly

18.6135, 0.4106, 0.4014

Tritanomaly

18.5560, 0.3818, 0.3464

Monochromacy



Original Color

18.4812, 0.4129, 0.3993

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0975, 0.3486, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4812, 0.4129, 0.3993 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(147, 113, 72)` looks like.

```
.text, #text, p{  
    color:rgb(147, 113, 72)  
}
```

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(147, 113, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 113, 72) }
```

Border

The CSS property to change the border of an element to Yxy 18.4812, 0.4129, 0.3993 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(147, 113, 72) }
```

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

```
.border{ border-color:rgb(147, 113, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 113, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 113, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 113, 72);  
box-shadow:4px 4px 4px 4px rgb(147, 113,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4812, 0.4129, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 113, 72) }
```

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

```
.background{ background-color: rgb(147,  
113, 72) }
```

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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