

Converting Colors

$Y_{xy}(23.9131, 0.3986, 0.3933)$

Have a look what the booklet for
Yxy(23.9131, 0.3986, 0.3933)
contains.

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Color

Yxy(23.9822, 0.3994, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	A18158
RGB	161, 129, 88
RGB Percent	63%, 51%, 35%
CMY	0.3686, 0.4941, 0.6550
CMYK	0.00, 0.20, 0.45, 0.37
HSL	34°, 29%, 49%
HSV	34°, 45%, 63%
XYZ	24.3109, 23.9822, 12.5754
YIQ	133.8940, 32.2330, -5.9670

Conversions

Conversions Part 2

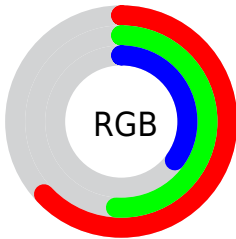
Format	Color
R_{YB}	145, 161, 88
Decimal	10584408
CIE _{Lab}	56.07, 6.74, 26.86
CIE _{LCh}	56, 27.694, 75.910
Yxy	23.9822, 0.3994, 0.3940
Android (android.graphics.Color)	4288774488 (0xFFA18158)
YUV	133.8940, -22.6257, 23.7720
Hunter-Lab	48.9716, 2.9121, 19.0550

Details

The Yxy color **23.9822, 0.3994, 0.3940** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.0783, 0.2400, 0.2526**, and the grayscale version is **23.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0426, 0.3810, 0.3819**, and **9.0232, 0.4300, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **21.9498, 0.4233, 0.4071**, and if you desaturate by 10%, it is **26.2042, 0.3769, 0.3796**.

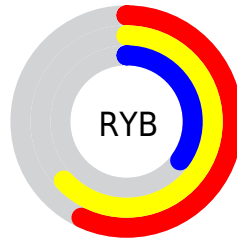
Distribution



Red (63%)

Green (51%)

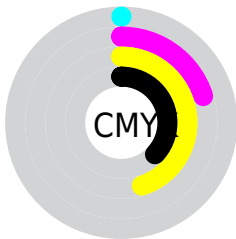
Blue (35%)



Red (57%)

Yellow (63%)

Blue (35%)

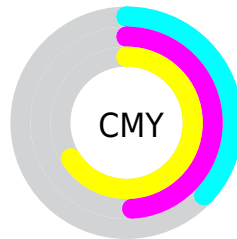


Cyan (0%)

Magenta (20%)

Yellow (45%)

Black (37%)



Cyan (37%)


Magenta (49%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9822, 0.3994, 0.3940 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 23.9822, 0.3994, 0.3940 by changing the saturation by 10% instead.


 23.9822, 0.3994,
0.3940


 23.9822, 0.3994,
0.3940


272.7305, 0.3516,
0.3594


 15.3204, 0.4127,
0.4030


 50.0012, 0.3810,
0.3811

 9.0446, 0.4304,
0.4143


 68.1271, 0.3744,
0.3763

 4.7703, 0.4547,
0.4288

 90.1766, 0.3689,
0.3723

 2.1131, 0.5161,
0.4707

 116.5340, 0.3643,
0.3690

 0.6720, 0.5445,
0.4555

 147.5837, 0.3604,
0.3661

 0.0000, 0.0000,
0.0000

183.7100, 0.3571,

0.3635

225.2975, 0.3542,
0.3613

■ 23.9822, 0.3994,
0.3940

■ 23.9822, 0.3994,
0.3940

■ 21.9498, 0.4233,
0.4071

■ 26.2042, 0.3769,
0.3796

■ 20.0971, 0.4477,
0.4180

■ 28.6186, 0.3562,
0.3649

■ 18.4183, 0.4717,
0.4254

■ 31.2321, 0.3375,
0.3502

■ 16.9054, 0.4938,
0.4283

■ 34.0502, 0.3209,
0.3362

■ 15.5492, 0.5129,
0.4260

■ 37.0780, 0.3061,
0.3230

■ 14.9647, 0.5214,
0.4242

■ 40.3205, 0.2931,
0.3106

■ 43.7824, 0.2816,
0.2992

■ 47.4684, 0.2715,
0.2887

■ 51.3828, 0.2626,
0.2791

Harmonies

Analogous

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



23.9822, 0.4090, 0.3592



23.9822, 0.3994, 0.3940



23.9822, 0.3661, 0.4148

Triad

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



23.9822, 0.3994, 0.3940



23.9822, 0.2399, 0.3303



23.9822, 0.2995, 0.2616

Complementary

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



23.9822, 0.3994, 0.3940



18.0783, 0.2400, 0.2526

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.



23.9822, 0.2573, 0.2518



23.9822, 0.3994, 0.3940



23.9822, 0.2251, 0.2870

Square

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



23.9822, 0.3994, 0.3940



23.9822, 0.2739, 0.3780



23.9822, 0.2312, 0.2598



23.9822, 0.3488, 0.2861

Rectangle

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



23.9822, 0.3994, 0.3940



23.9822, 0.3359, 0.4152



23.9822, 0.2312, 0.2598



23.9822, 0.2841, 0.2565

Sweetspot

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



23.9833, 0.3994, 0.3940



56.4592, 0.3356, 0.3487



15.9311, 0.3759, 0.2769



12.1656, 0.3392, 0.3516



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.9833, 0.3994, 0.3940



39.4235, 0.4224, 0.4067



33.4030, 0.3745, 0.4392



7.7149, 0.3272, 0.3416



12.0320, 0.5203, 0.4251



0.3448, 0.4752, 0.4609

Inverse Universe

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



18.0783, 0.2400, 0.2526



27.5641, 0.2245, 0.2327



11.8061, 0.2331, 0.1924



7.3469, 0.2987, 0.3161



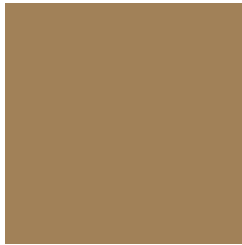
5.6893, 0.1726, 0.1412



0.2130, 0.1924, 0.2125

Previews

White Background



This preview shows how the Yxy color 23.9822, 0.3994, 0.3940 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 23.9822, 0.3994, 0.3940 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 23.9822, 0.3994, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 23.9822, 0.3994, 0.3940.



This preview shows how white text looks on a background with the Yxy color 23.9822, 0.3994, 0.3940.

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

23.9822, 0.3994, 0.3940

Protanopia

24.1771, 0.3746, 0.4050

Deuteranopia

24.0865, 0.4006, 0.3936



Tritanopia

23.8587, 0.3527, 0.3136

Trichromacy



Original Color

23.9822, 0.3994, 0.3940

Protanomaly

24.0756, 0.3831, 0.4018

Deuteranomaly

24.0865, 0.4006, 0.3936

Tritanomaly

23.8441, 0.3706, 0.3418

Monochromacy



Original Color

23.9822, 0.3994, 0.3940

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7162, 0.3434, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9822, 0.3994, 0.3940 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(161, 129, 88)` looks like.

```
.text, #text, p{  
    color:rgb(161, 129, 88)  
}
```

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(161, 129, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 129, 88) }
```

Border

The CSS property to change the border of an element to Yxy 23.9822, 0.3994, 0.3940 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(161, 129, 88) }
```

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

```
.border{ border-color:rgb(161, 129, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 129, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 129, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 129, 88);  
box-shadow:4px 4px 4px 4px rgb(161, 129,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9822, 0.3994, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 129, 88) }
```

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

```
.background{ background-color: rgb(161,  
129, 88) }
```

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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