

Converting Colors

$Y_{xy}(23.4886, 0.4459, 0.4802)$

Have a look what the booklet for
Yxy(23.4886, 0.4459, 0.4802)
contains.

Yxy(23.4886, 0.4459, 0.4802)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4886, 0.4459, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	9B8408
RGB	155, 132, 8
RGB Percent	61%, 52%, 3%
CMY	0.3922, 0.4823, 0.9685
CMYK	0.00, 0.15, 0.95, 0.39
HSL	51°, 90%, 32%
HSV	51°, 95%, 61%
XYZ	21.8108, 23.4886, 3.6148
YIQ	124.7410, 53.5120, -33.6880

Conversions

Conversions Part 2

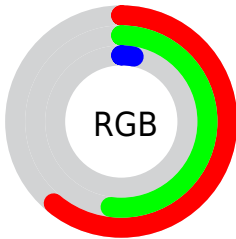
Format	Color
R_{YB}	35, 155, 8
Decimal	10191880
CIE _{Lab}	55.57, -2.39, 59.12
CIE _{LCh}	56, 59.169, 92.313
Yxy	23.4886, 0.4459, 0.4802
Android (android.graphics.Color)	4288381960 (0xFF9B8408)
YUV	124.7410, -57.5533, 26.5371
Hunter-Lab	48.4650, -4.4830, 29.5034

Details

The Yxy color **23.4886, 0.4459, 0.4802** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.3987, 0.1578, 0.0824**, and the grayscale version is **20.6019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2990, 0.4241, 0.4553**, and **8.8958, 0.4508, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **23.1332, 0.4494, 0.4814**, and if you desaturate by 10%, it is **24.2012, 0.4382, 0.4764**.

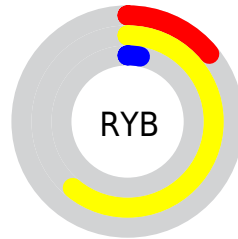
Distribution



Red (61%)

Green (52%)

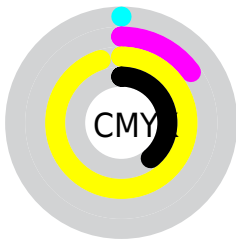
Blue (3%)



Red (14%)

Yellow (61%)

Blue (3%)

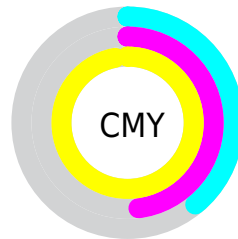


Cyan (0%)

Magenta (15%)

Yellow (95%)

Black (39%)



Cyan (39%)


Magenta (48%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4886, 0.4459, 0.4802 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 23.4886, 0.4459, 0.4802 by changing the saturation by 10% instead.


 23.4886, 0.4459,
0.4802


 23.4886, 0.4459,
0.4802


270.2247, 0.3804,
0.4044


 14.9547, 0.4580,
0.4951


 49.1944, 0.4243,
0.4546

 8.7876, 0.4749,
0.5161


 67.1350, 0.4153,
0.4442


 4.6029, 0.4773,
0.5227

 88.9801, 0.4074,
0.4351

 2.0162, 0.4740,
0.5260

 115.1139, 0.4006,
0.4273


 0.6169, 0.4612,
0.5388


 145.9209, 0.3946,
0.4204


 0.0000, 0.0000,
0.0000


 181.7854, 0.3893,

0.4144


 223.0919, 0.3846,
0.4091

 23.4886, 0.4459,
0.4802

 23.4886, 0.4459,
0.4802


 23.1332, 0.4494,
0.4814

 24.2012, 0.4382,
0.4764

 24.9642, 0.4278,
0.4683

 25.7847, 0.4150,
0.4560

 26.6674, 0.4003,
0.4402

 27.6162, 0.3843,
0.4217

■ 28.6349, 0.3677,
0.4015

■ 29.7267, 0.3512,
0.3804

■ 30.8947, 0.3351,
0.3593

■ 32.1419, 0.3197,
0.3386

Harmonies

Analogous

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



23.4886, 0.5042, 0.4106



23.4886, 0.4459, 0.4802



23.4886, 0.3586, 0.5219

Triad

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



23.4886, 0.4459, 0.4802



23.4886, 0.1504, 0.2690



23.4886, 0.3372, 0.2216

Complementary

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



23.4886, 0.4459, 0.4802



3.3987, 0.1578, 0.0824

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.



23.4886, 0.2406, 0.1888



23.4886, 0.4459, 0.4802



23.4886, 0.1476, 0.2055

Square

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



23.4886, 0.4459, 0.4802



23.4886, 0.1891, 0.3766



23.4886, 0.1770, 0.1819



23.4886, 0.4424, 0.2751

Rectangle

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



23.4886, 0.4459, 0.4802



23.4886, 0.2952, 0.5090



23.4886, 0.1770, 0.1819



23.4886, 0.3021, 0.2080

Sweetspot

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



23.4897, 0.4459, 0.4802



52.5023, 0.3573, 0.3883



7.2489, 0.5981, 0.3126



11.7054, 0.3640, 0.3968



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.4897, 0.4459, 0.4802



41.2111, 0.4501, 0.4808



26.5200, 0.3640, 0.5452



7.0583, 0.3264, 0.3476



18.6296, 0.4491, 0.4816



0.3175, 0.4341, 0.4935

Inverse Universe

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



3.3987, 0.1578, 0.0824



5.2445, 0.1535, 0.0725



3.4111, 0.1816, 0.0805



6.1746, 0.2988, 0.3097



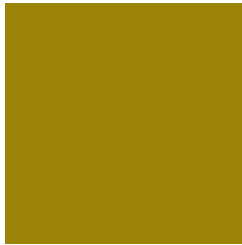
2.4720, 0.1544, 0.0758



0.0717, 0.1698, 0.1314

Previews

White Background



This preview shows how the Yxy color 23.4886, 0.4459, 0.4802 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 23.4886, 0.4459, 0.4802 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 23.4886, 0.4459, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 23.4886, 0.4459, 0.4802.



This preview shows how white text looks on a background with the Yxy color 23.4886, 0.4459, 0.4802.

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

23.4886, 0.4459, 0.4802

Protanopia

23.5539, 0.4371, 0.4867

Deuteranopia

23.2840, 0.4673, 0.4591



Tritanopia

23.5132, 0.3503, 0.3150

Trichromacy



Original Color

23.4886, 0.4459, 0.4802

Protanomaly

23.4702, 0.4408, 0.4837

Deuteranomaly

23.2539, 0.4596, 0.4668

Tritanomaly

22.9808, 0.4002, 0.3917

Monochromacy



Original Color

23.4886, 0.4459, 0.4802

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2818, 0.3748, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4886, 0.4459, 0.4802 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(155, 132, 8)` looks like.

```
.text, #text, p{  
    color:rgb(155, 132, 8)  
}
```

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(155, 132, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 132, 8) }
```

Border

The CSS property to change the border of an element to Yxy 23.4886, 0.4459, 0.4802 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(155, 132, 8) }
```

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

```
.border{ border-color:rgb(155, 132, 8) }
```

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

Here you see how a box with a 4 pixel rgb(155, 132, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 132, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 132, 8);  
box-shadow:4px 4px 4px 4px rgb(155, 132,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4886, 0.4459, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 132, 8) }
```

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

```
.background{ background-color: rgb(155,  
132, 8) }
```

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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