

Converting Colors

$Y_{xy}(24.0340, 0.4332, 0.4942)$

Have a look what the booklet for
Yxy(24.0340, 0.4332, 0.4942)
contains.

Yxy(23.9042, 0.4340, 0.4936)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.9042, 0.4340, 0.4936)$

Conversions

Conversions Part 1

Format	Color
Hex	948800
RGB	148, 136, 0
RGB Percent	58%, 53%, 0%
CMY	0.4196, 0.4667, 1.0000
CMYK	0.00, 0.08, 1.00, 0.42
HSL	55°, 100%, 29%
HSV	55°, 100%, 58%
XYZ	21.0179, 23.9042, 3.5062
YIQ	124.0840, 50.8080, -39.7520

Conversions

Conversions Part 2

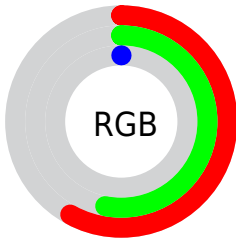
Format	Color
R_{YB}	13, 148, 0
Decimal	9734144
CIE Lab	55.99, -7.95, 60.49
CIE LCh	56, 61.015, 97.489
Yxy	23.9042, 0.4340, 0.4936
Android (android.graphics.Color)	4287924224 (0xFF948800)
YUV	124.0840, -61.1734, 20.9743
Hunter-Lab	48.8919, -8.8265, 29.9725

Details

The Yxy color **23.9042, 0.4340, 0.4936** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4017, 0.1518, 0.0666**, and the grayscale version is **20.3821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9467, 0.4157, 0.4643**, and **9.1435, 0.4303, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **23.9051, 0.4340, 0.4936**, and if you desaturate by 10%, it is **24.2794, 0.4292, 0.4899**.

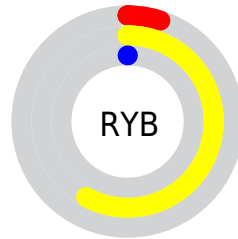
Distribution



Red (58%)

Green (53%)

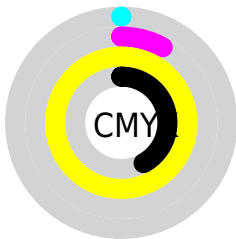
Blue (0%)



Red (5%)

Yellow (58%)

Blue (0%)

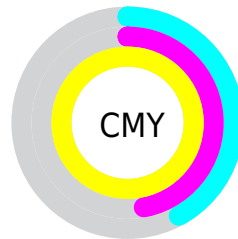


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9042, 0.4340, 0.4936 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 23.9042, 0.4340, 0.4936 by changing the saturation by 10% instead.


 23.9042, 0.4340,
0.4936


 23.9042, 0.4340,
0.4936


272.3358, 0.3761,
0.4095


 15.2626, 0.4436,
0.5110


 49.8738, 0.4156,
0.4647


 9.0039, 0.4573,
0.5362


 67.9706, 0.4077,
0.4531


 4.7437, 0.4537,
0.5463

 89.9879, 0.4007,
0.4431

 2.0977, 0.4430,
0.5570

 116.3101, 0.3945,
0.4345


 0.6633, 0.3968,
0.6032


 147.3216, 0.3890,
0.4270


 0.0000, 0.0000,
0.0000


 183.4068, 0.3842,


0.4204


 224.9500, 0.3799,
0.4146


 23.9042, 0.4340,
0.4936


 23.9042, 0.4340,
0.4936


 23.9051, 0.4340,
0.4936

 24.2794, 0.4292,
0.4899

 24.6811, 0.4225,
0.4830

 25.1220, 0.4132,
0.4719

 25.6065, 0.4016,
0.4570

 26.1385, 0.3882,
0.4388

■ 26.7213, 0.3735,
0.4182

■ 27.3579, 0.3581,
0.3962

■ 28.0511, 0.3425,
0.3735

■ 28.8034, 0.3273,
0.3509

Harmonies

Analogous

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



23.9042, 0.5010, 0.4239



23.9042, 0.4340, 0.4936



23.9042, 0.3421, 0.5276

Triad

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



23.9042, 0.4340, 0.4936



23.9042, 0.1443, 0.2526



23.9042, 0.3568, 0.2275

Complementary

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



23.9042, 0.4340, 0.4936



2.4017, 0.1518, 0.0666

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.



23.9042, 0.2537, 0.1902



23.9042, 0.4340, 0.4936



23.9042, 0.1474, 0.1961

Square

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



23.9042, 0.4340, 0.4936



23.9042, 0.1766, 0.3562



23.9042, 0.1828, 0.1783



23.9042, 0.4615, 0.2845

Rectangle

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



23.9042, 0.4340, 0.4936



23.9042, 0.2779, 0.5037



23.9042, 0.1828, 0.1783



23.9042, 0.3200, 0.2125

Sweetspot

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



23.9053, 0.4340, 0.4936



48.1960, 0.3590, 0.3975



6.3241, 0.6286, 0.3237



10.9018, 0.3650, 0.4061



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.



23.9053, 0.4340, 0.4936



42.0562, 0.4343, 0.4934



23.1766, 0.3497, 0.5605



6.6650, 0.3261, 0.3491



20.4354, 0.4339, 0.4937



0.2693, 0.4260, 0.5000

Inverse Universe

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



2.4017, 0.1518, 0.0666



4.1289, 0.1514, 0.0651



3.1522, 0.1889, 0.0814



5.7041, 0.2989, 0.3080



2.0696, 0.1520, 0.0671



0.0403, 0.1612, 0.1002

Previews

White Background



This preview shows how the Yxy color 23.9042, 0.4340, 0.4936 looks on a white background.

Color Contrast Check

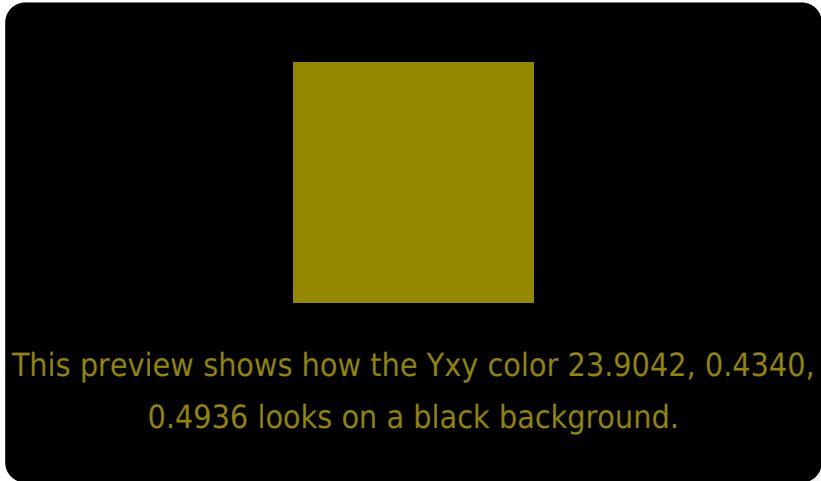
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.9042, 0.4340, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 23.9042, 0.4340, 0.4936.



This preview shows how white text looks on a background with the Yxy color 23.9042, 0.4340, 0.4936.

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

23.9042, 0.4340, 0.4936

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

23.7685, 0.4675, 0.4577



Tritanopia

23.7672, 0.3374, 0.3131

Trichromacy



Original Color

23.9042, 0.4340, 0.4936

Protanomaly

23.9073, 0.4389, 0.4897

Deuteranomaly

23.6708, 0.4562, 0.4707

Tritanomaly

23.4257, 0.3898, 0.3998

Monochromacy



Original Color

23.9042, 0.4340, 0.4936

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.9894, 0.3742, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9042, 0.4340, 0.4936 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(148, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 136, 0)  
}
```

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(148, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.9042, 0.4340, 0.4936 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(148, 136, 0) }
```

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

```
.border{ border-color:rgb(148, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 136,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9042, 0.4340, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 136, 0) }
```

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

```
.background{ background-color: rgb(148,  
136, 0) }
```

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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