

# Converting Colors

$Y_{xy}(24.2437, 0.4234, 0.4915)$

Have a look what the booklet for  
Yxy(24.2437, 0.4234, 0.4915)  
contains.

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**Color**

**Yxy(24.2437, 0.4234, 0.4915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	918A13
RGB	145, 138, 19
RGB Percent	57%, 54%, 7%
CMY	0.4313, 0.4588, 0.9252
CMYK	0.00, 0.05, 0.87, 0.43
HSL	57°, 77%, 32%
HSV	57°, 87%, 57%
XYZ	20.8846, 24.2437, 4.1976
YIQ	126.5270, 42.3710, -35.5250

# Conversions

## Conversions Part 2

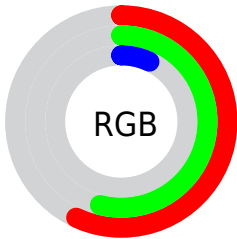
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 145, 19
Decimal	9538067
CIE Lab	56.33, -10.05, 57.15
CIE LCh	56, 58.023, 99.979
Yxy	24.2437, 0.4234, 0.4915
Android (android.graphics.Color)	4287728147 (0xFF918A13)
YUV	126.5270, -53.0108, 16.2008
Hunter-Lab	49.2379, -10.4543, 29.4119

# Details

The Yxy color **24.2437, 0.4234, 0.4915** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.9259, 0.1610, 0.0819**, and the grayscale version is **21.2304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3540, 0.4064, 0.4616**, and **9.2036, 0.4248, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **23.9769, 0.4279, 0.4962**, and if you desaturate by 10%, it is **24.5430, 0.4166, 0.4830**.

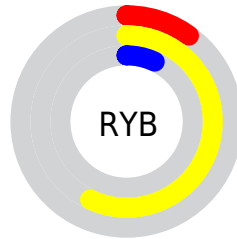
# Distribution



Red (57%)

Green (54%)

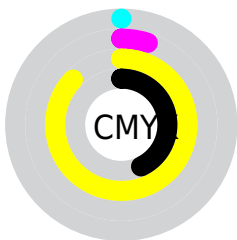
Blue (7%)



Red (10%)

Yellow (57%)

Blue (7%)

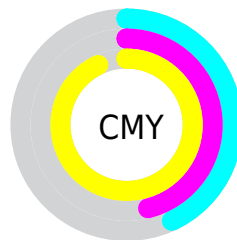


Cyan (0%)

Magenta (5%)

Yellow (87%)

Black (43%)



Cyan (43%)

Magenta (46%)


Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2437, 0.4234, 0.4915 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 24.2437, 0.4234, 0.4915 by changing the saturation by 10% instead.





 24.2437, 0.4234,  
0.4915


 24.2437, 0.4234,  
0.4915


274.0502, 0.3701,  
0.4067


 15.5145, 0.4326,  
0.5103


 50.4276, 0.4062,  
0.4615


 9.1813, 0.4431,  
0.5345


 68.6511, 0.3989,  
0.4497

 4.8596, 0.4450,  
0.5550

 90.8081, 0.3925,  
0.4398

 2.1651, 0.4316,  
0.5684

 117.2831, 0.3868,  
0.4312

 0.7009, 0.3751,  
0.6249

 148.4604, 0.3819,  
0.4238

 0.0000, 0.0000,  
0.0000

 184.7244, 0.3775,

0.4174

226.4596, 0.3736,  
0.4117

24.2437, 0.4234,  
0.4915

24.2437, 0.4234,  
0.4915

23.9769, 0.4279,  
0.4962

24.5430, 0.4166,  
0.4830

23.8946, 0.4292,  
0.4974

24.8781, 0.4072,  
0.4704

25.2540, 0.3957,  
0.4541

25.6744, 0.3823,  
0.4348

26.1421, 0.3679,  
0.4133

■ 26.6600, 0.3527,  
0.3905

■ 27.2307, 0.3375,  
0.3673

■ 27.8566, 0.3226,  
0.3443

■ 28.5398, 0.3083,  
0.3221

# Harmonies

## Analogous

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



24.2437, 0.4893, 0.4277



24.2437, 0.4234, 0.4915



24.2437, 0.3346, 0.5158

# Triad

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



24.2437, 0.4234, 0.4915



24.2437, 0.1503, 0.2509



24.2437, 0.3637, 0.2360

# Complementary

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



24.2437, 0.4234, 0.4915



2.9259, 0.1610, 0.0819

# 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.



24.2437, 0.2640, 0.1979



24.2437, 0.4234, 0.4915



24.2437, 0.1556, 0.1995

# Square

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



24.2437, 0.4234, 0.4915



24.2437, 0.1791, 0.3458



24.2437, 0.1928, 0.1844



24.2437, 0.4603, 0.2923



# Rectangle

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



24.2437, 0.4234, 0.4915



24.2437, 0.2733, 0.4871



24.2437, 0.1928, 0.1844



24.2437, 0.3286, 0.2209

# Sweetspot

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



24.2448, 0.4234, 0.4915



47.7685, 0.3523, 0.3898



6.5698, 0.5945, 0.3224



10.5611, 0.3569, 0.3968



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290



# Same Dimension

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



24.2448, 0.4234, 0.4915



42.7011, 0.4294, 0.4973



22.4960, 0.3521, 0.5461



6.2347, 0.3260, 0.3496



20.5054, 0.4291, 0.4975



0.2062, 0.4238, 0.5017



# Inverse Universe

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



2.9259, 0.1610, 0.0819



3.8891, 0.1509, 0.0633



3.9543, 0.2076, 0.1008



5.3002, 0.2990, 0.3076



1.9167, 0.1514, 0.0650



0.0260, 0.1579, 0.0882



# Previews

## White Background



This preview shows how the Yxy color 24.2437, 0.4234, 0.4915 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 24.2437, 0.4234, 0.4915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

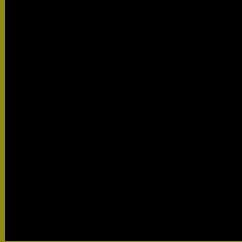
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.2437, 0.4234, 0.4915**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.2437, 0.4234, 0.4915.



This preview shows how white text looks on a background with the Yxy color 24.2437, 0.4234, 0.4915.

# 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

24.2437, 0.4234, 0.4915

### Protanopia

24.0470, 0.4359, 0.4825

### Deuteranopia

24.0635, 0.4626, 0.4545



## Tritanopia

24.1433, 0.3323, 0.3130

# Trichromacy



## Original Color

24.2437, 0.4234, 0.4915

## Protanomaly

24.0416, 0.4310, 0.4863

## Deuteranomaly

24.1455, 0.4482, 0.4682

## Tritanomaly

23.9081, 0.3770, 0.3906

# Monochromacy



## Original Color

24.2437, 0.4234, 0.4915

## Achromatopsia

21.2231, 0.3127, 0.3290

## Achromatomaly

22.0055, 0.3639, 0.4063

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.2437, 0.4234, 0.4915 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(145, 138, 19)` looks like.

```
.text, #text, p{  
    color:rgb(145, 138, 19)  
}
```

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(145, 138, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 138, 19) }
```

## Border

The CSS property to change the border of an element to Yxy 24.2437, 0.4234, 0.4915 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(145, 138, 19) }
```

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

```
.border{ border-color:rgb(145, 138, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 138, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 138, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 138, 19);  
box-shadow:4px 4px 4px 4px rgb(145, 138,  
19) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.2437, 0.4234, 0.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 138, 19) }
```

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

```
.background{ background-color: rgb(145,  
138, 19) }
```

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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