

Converting Colors

$Y_{xy}(23.9124, 0.4168, 0.4593)$

Have a look what the booklet for
Yxy(23.9124, 0.4168, 0.4593)
contains.

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Color

$\text{Yxy}(24.0423, 0.4166, 0.4591)$

Conversions

Conversions Part 1

Format	Color
Hex	968732
RGB	150, 135, 50
RGB Percent	59%, 53%, 20%
CMY	0.4118, 0.4706, 0.8039
CMYK	0.00, 0.10, 0.67, 0.41
HSL	51°, 50%, 39%
HSV	51°, 67%, 59%
XYZ	21.8166, 24.0423, 6.5094
YIQ	129.7950, 36.2250, -23.2550

Conversions

Conversions Part 2

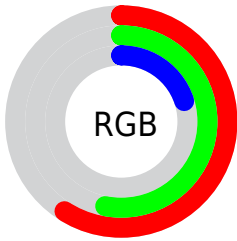
Format	Color
RYB	68, 150, 50
Decimal	9865010
CIELab	56.13, -4.77, 46.16
CIElCh	56, 46.405, 95.895
Yxy	24.0423, 0.4166, 0.4591
Android (android.graphics.Color)	4288055090 (0xFF968732)
YUV	129.7950, -39.3389, 17.7198
Hunter-Lab	49.0329, -6.3861, 26.4520

Details

The Yxy color **24.0423, 0.4166, 0.4591** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6606, 0.1934, 0.1479**, and the grayscale version is **22.3797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1714, 0.3978, 0.4332**, and **9.1424, 0.4376, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **23.3136, 0.4288, 0.4708**, and if you desaturate by 10%, it is **24.8289, 0.4024, 0.4438**.

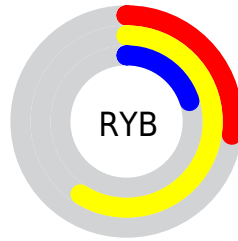
Distribution



Red (59%)

Green (53%)

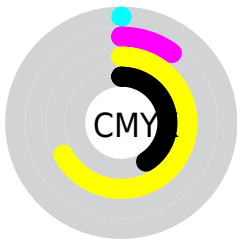
Blue (20%)



Red (27%)

Yellow (59%)

Blue (20%)

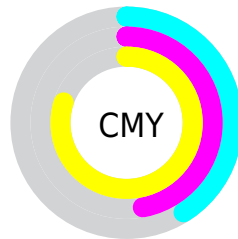


Cyan (0%)

Magenta (10%)

Yellow (67%)

Black (41%)



Cyan (41%)


Magenta (47%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0423, 0.4166, 0.4591 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 24.0423, 0.4166, 0.4591 by changing the saturation by 10% instead.


 24.0423, 0.4166,
0.4591


 24.0423, 0.4166,
0.4591


273.0343, 0.3631,
0.3899


 15.3650, 0.4286,
0.4759


 50.0992, 0.3976,
0.4338

 9.0760, 0.4420,
0.4959


 68.2476, 0.3902,
0.4242

 4.7908, 0.4674,
0.5326

 90.3219, 0.3840,
0.4162

 2.1250, 0.4611,
0.5389

 116.7063, 0.3786,
0.4093

 0.6786, 0.4379,
0.5621

 147.7854, 0.3739,
0.4034

 0.0000, 0.0000,
0.0000

 183.9435, 0.3698,

0.3983

225.5650, 0.3662,
0.3938

■ 24.0423, 0.4166,
0.4591

■ 24.0423, 0.4166,
0.4591

■ 23.3136, 0.4288,
0.4708

■ 24.8289, 0.4024,
0.4438

■ 22.6351, 0.4385,
0.4783

■ 25.6739, 0.3868,
0.4256

■ 22.0009, 0.4457,
0.4817

■ 26.5818, 0.3704,
0.4056

■ 21.7941, 0.4479,
0.4825

■ 27.5557, 0.3540,
0.3846

■ 28.5985, 0.3379,
0.3633

■ 29.7129, 0.3225,
0.3424

■ 30.9012, 0.3080,
0.3224

■ 32.1660, 0.2946,
0.3035

■ 33.5094, 0.2823,
0.2858

Harmonies

Analogous

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



24.0423, 0.4638, 0.4086



24.0423, 0.4166, 0.4591



24.0423, 0.3452, 0.4780

Triad

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



24.0423, 0.4166, 0.4591



24.0423, 0.1785, 0.2765



24.0423, 0.3434, 0.2463

Complementary

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



24.0423, 0.4166, 0.4591



6.6606, 0.1934, 0.1479

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.



24.0423, 0.2642, 0.2161



24.0423, 0.4166, 0.4591



24.0423, 0.1784, 0.2267

Square

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



24.0423, 0.4166, 0.4591



24.0423, 0.2092, 0.3564



24.0423, 0.2072, 0.2083



24.0423, 0.4224, 0.2934

Rectangle

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



24.0423, 0.4166, 0.4591



24.0423, 0.2937, 0.4591



24.0423, 0.2072, 0.2083



24.0423, 0.3155, 0.2340

Sweetspot

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



24.0434, 0.4166, 0.4591



49.7730, 0.3438, 0.3712



9.1473, 0.4921, 0.3068



10.9271, 0.3479, 0.3766



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.



24.0434, 0.4166, 0.4591



40.5477, 0.4339, 0.4750



25.6857, 0.3621, 0.5013



6.5981, 0.3263, 0.3477



18.1141, 0.4477, 0.4827



0.2541, 0.4322, 0.4950

Inverse Universe

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



6.6606, 0.1934, 0.1479



7.7580, 0.1708, 0.1081



6.4155, 0.2242, 0.1384



5.7650, 0.2989, 0.3096



2.3495, 0.1542, 0.0750



0.0555, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 24.0423, 0.4166, 0.4591 looks on a white background.

Color Contrast Check

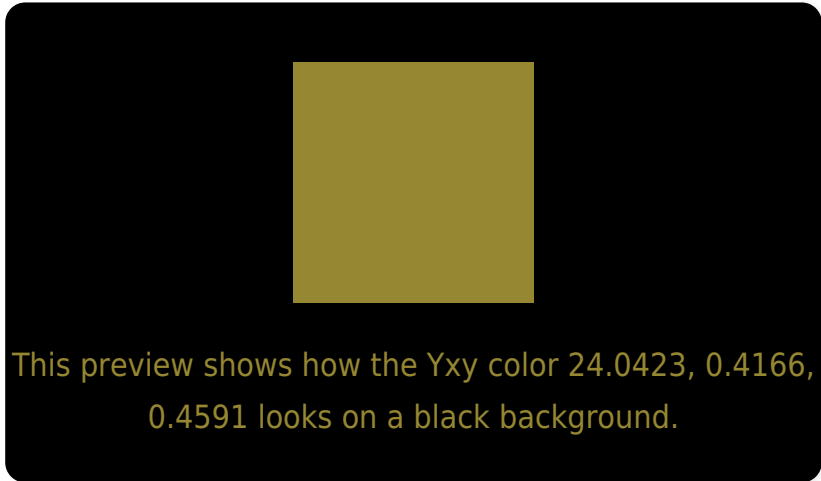
Large Text (above 18pt) WCAG AA ✓ Pass

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

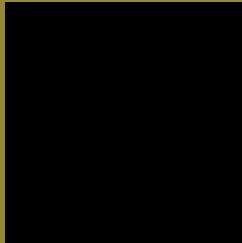
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0423, 0.4166, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 24.0423, 0.4166, 0.4591.



This preview shows how white text looks on a background with the Yxy color 24.0423, 0.4166, 0.4591.

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

24.0423, 0.4166, 0.4591

Protanopia

24.0423, 0.4166, 0.4591

Deuteranopia

24.0111, 0.4445, 0.4358



Tritanopia

23.8674, 0.3386, 0.3132

Trichromacy



Original Color

24.0423, 0.4166, 0.4591

Protanomaly

24.0423, 0.4166, 0.4591

Deuteranomaly

24.0487, 0.4335, 0.4453

Tritanomaly

23.5905, 0.3708, 0.3687

Monochromacy



Original Color

24.0423, 0.4166, 0.4591

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7605, 0.3528, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0423, 0.4166, 0.4591 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(150, 135, 50)` looks like.

```
.text, #text, p{  
    color:rgb(150, 135, 50)  
}
```

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(150, 135, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 135, 50) }
```

Border

The CSS property to change the border of an element to Yxy 24.0423, 0.4166, 0.4591 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(150, 135, 50) }
```

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

```
.border{ border-color:rgb(150, 135, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 135, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 135, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 135, 50);  
box-shadow:4px 4px 4px 4px rgb(150, 135,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0423, 0.4166, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 135, 50) }
```

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

```
.background{ background-color: rgb(150,  
135, 50) }
```

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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