

Converting Colors

$Y_{xy}(24.1548, 0.4112, 0.4571)$

Have a look what the booklet for
Yxy(24.1548, 0.4112, 0.4571)
contains.

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Color

Yxy(24.1706, 0.4101, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	948836
RGB	148, 136, 54
RGB Percent	58%, 53%, 21%
CMY	0.4197, 0.4666, 0.7881
CMYK	0.00, 0.08, 0.63, 0.42
HSL	52°, 47%, 40%
HSV	52°, 63%, 58%
XYZ	21.6806, 24.1706, 7.0154
YIQ	130.2400, 33.4740, -22.9580

Conversions

Conversions Part 2

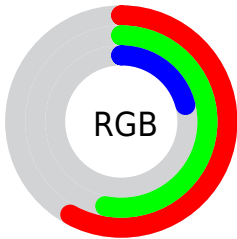
Format	Color
R_{YB}	68, 148, 54
Decimal	9734198
CIE Lab	56.26, -5.96, 44.40
CIE LCh	56, 44.802, 97.639
Yxy	24.1706, 0.4101, 0.4572
Android (android.graphics.Color)	4287924278 (0xFF948836)
YUV	130.2400, -37.5863, 15.5755
Hunter-Lab	49.1636, -7.3199, 25.9541

Details

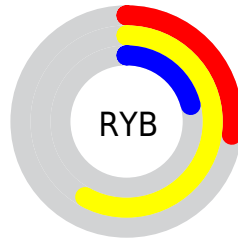
The Yxy color **24.1706, 0.4101, 0.4572** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.8182, 0.1981, 0.1532**, and the grayscale version is **22.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2320, 0.3923, 0.4322**, and **9.1961, 0.4321, 0.4951** is the 20% darker color. If you saturate the color by 10%, you get **23.5267, 0.4223, 0.4704**, and if you desaturate by 10%, it is **24.8684, 0.3960, 0.4406**.

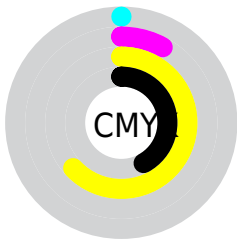
Distribution



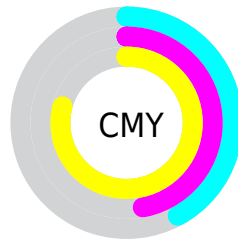
- Red (58%)
- Green (53%)
- Blue (21%)



- Red (27%)
- Yellow (58%)
- Blue (21%)



- Cyan (0%)
- Magenta (8%)
- Yellow (63%)
- Black (42%)





- Cyan (42%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1706, 0.4101, 0.4572 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 24.1706, 0.4101, 0.4572 by changing the saturation by 10% instead.


 24.1706, 0.4101,
0.4572

 24.1706, 0.4101,
0.4572


273.6818, 0.3598,
0.3884


 15.4602, 0.4215,
0.4744


 50.3085, 0.3922,
0.4317

 9.1430, 0.4344,
0.4953


 68.5047, 0.3853,
0.4222


 4.8346, 0.4593,
0.5340

 90.6317, 0.3794,
0.4142

 2.1505, 0.4546,
0.5454

 117.0739, 0.3743,
0.4075

 0.6928, 0.4255,
0.5745

 148.2156, 0.3699,
0.4017

 0.0000, 0.0000,
0.0000

 184.4412, 0.3661,

0.3967

226.1352, 0.3628,
0.3923

■ 24.1706, 0.4101,
0.4572

■ 24.1706, 0.4101,
0.4572

■ 23.5267, 0.4223,
0.4704

■ 24.8684, 0.3960,
0.4406

■ 22.9293, 0.4321,
0.4795

■ 25.6203, 0.3806,
0.4214

■ 22.3747, 0.4393,
0.4844

■ 26.4305, 0.3646,
0.4006

■ 22.0281, 0.4432,
0.4863

■ 27.3020, 0.3485,
0.3790

■ 28.2374, 0.3328,
0.3573

■ 29.2392, 0.3178,
0.3362

■ 30.3098, 0.3036,
0.3160

■ 31.4513, 0.2906,
0.2970

■ 32.6660, 0.2786,
0.2793

Harmonies

Analogous

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



24.1706, 0.4573, 0.4100



24.1706, 0.4101, 0.4572



24.1706, 0.3403, 0.4718

Triad

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



24.1706, 0.4101, 0.4572



24.1706, 0.1818, 0.2750



24.1706, 0.3472, 0.2511

Complementary

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



24.1706, 0.4101, 0.4572



6.8182, 0.1981, 0.1532

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.



24.1706, 0.2700, 0.2206



24.1706, 0.4101, 0.4572



24.1706, 0.1833, 0.2283

Square

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



24.1706, 0.4101, 0.4572



24.1706, 0.2101, 0.3507



24.1706, 0.2130, 0.2117



24.1706, 0.4222, 0.2978

Rectangle

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



24.1706, 0.4101, 0.4572



24.1706, 0.2906, 0.4509



24.1706, 0.2130, 0.2117



24.1706, 0.3202, 0.2388

Sweetspot

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



24.1717, 0.4101, 0.4572



48.8522, 0.3420, 0.3700



9.3345, 0.4821, 0.3097



11.0548, 0.3461, 0.3757



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.



24.1717, 0.4101, 0.4572



41.0897, 0.4266, 0.4746



24.9861, 0.3592, 0.4950



6.6199, 0.3262, 0.3482



18.8483, 0.4430, 0.4864



0.2590, 0.4301, 0.4967

Inverse Universe

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



6.8182, 0.1981, 0.1532



8.0653, 0.1753, 0.1139



6.8760, 0.2314, 0.1483



5.7450, 0.2989, 0.3091



2.2443, 0.1534, 0.0721



0.0506, 0.1668, 0.1205

Previews

White Background



This preview shows how the Yxy color 24.1706, 0.4101, 0.4572 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 24.1706, 0.4101, 0.4572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

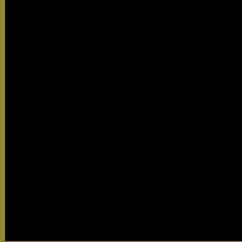
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1706, 0.4101, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 24.1706, 0.4101, 0.4572.



This preview shows how white text looks on a background with the Yxy color 24.1706, 0.4101, 0.4572.

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

24.1706, 0.4101, 0.4572

Protanopia

24.0783, 0.4136, 0.4546

Deuteranopia

24.0487, 0.4412, 0.4316



Tritanopia

24.2130, 0.3347, 0.3147

Trichromacy



Original Color

24.1706, 0.4101, 0.4572

Protanomaly

23.9838, 0.4124, 0.4553

Deuteranomaly

24.0855, 0.4304, 0.4410

Tritanomaly

23.9695, 0.3650, 0.3689

Monochromacy



Original Color

24.1706, 0.4101, 0.4572

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7802, 0.3517, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1706, 0.4101, 0.4572 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(148, 136, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 136, 54) }
```

Border

The CSS property to change the border of an element to Yxy 24.1706, 0.4101, 0.4572 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, 54) }
```

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

```
.border{ border-color:rgb(148, 136, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 136, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 136, 54);  
box-shadow:4px 4px 4px 4px rgb(148, 136,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1706, 0.4101, 0.4572 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, 54) }
```

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

```
.background{ background-color: rgb(148,  
136, 54) }
```

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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