

Converting Colors

$Y_{xy}(24.5002, 0.4684, 0.4603)$

Have a look what the booklet for
Yxy(24.5002, 0.4684, 0.4603)
contains.

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Color

$Yxy(24.5002, 0.4684, 0.4603)$

Conversions

Conversions Part 1

Format	Color
Hex	AC810D
RGB	172, 129, 13
RGB Percent	67%, 51%, 5%
CMY	0.3256, 0.4940, 0.9491
CMYK	0.00, 0.25, 0.92, 0.33
HSL	44°, 86%, 36%
HSV	44°, 92%, 67%
XYZ	24.9313, 24.5002, 3.7951
YIQ	128.6330, 62.8640, -26.9600

Conversions

Conversions Part 2

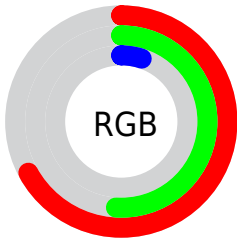
Format	Color
RYB	72, 172, 13
Decimal	11305229
CIELab	56.59, 7.20, 59.82
CIELCh	57, 60.248, 83.138
Yxy	24.5002, 0.4684, 0.4603
Android (android.graphics.Color)	4289495309 (0xFFAC810D)
YUV	128.6330, -57.0071, 38.0329
Hunter-Lab	49.4977, 3.2872, 30.1025

Details

The Yxy color **24.5002, 0.4684, 0.4603** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.8854, 0.1653, 0.1078**, and the grayscale version is **22.0042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1061, 0.4418, 0.4406**, and **9.3822, 0.4823, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **23.5636, 0.4764, 0.4600**, and if you desaturate by 10%, it is **25.8193, 0.4560, 0.4577**.

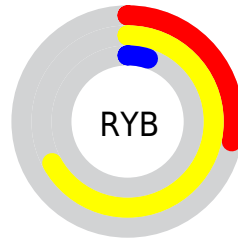
Distribution



Red (67%)

Green (51%)

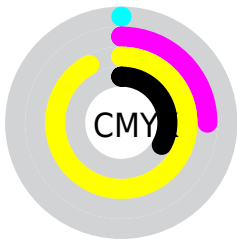
Blue (5%)



Red (28%)

Yellow (67%)

Blue (5%)

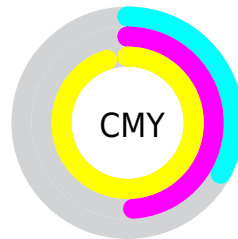


Cyan (0%)

Magenta (25%)

Yellow (92%)

Black (33%)



Cyan (33%)


Magenta (49%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5002, 0.4684, 0.4603 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 24.5002, 0.4684, 0.4603 by changing the saturation by 10% instead.


 24.5002, 0.4684,
0.4603


 24.5002, 0.4684,
0.4603


275.3397, 0.3905,
0.3984


 15.7051, 0.4841,
0.4706


 50.8452, 0.4420,
0.4407

 9.3157, 0.5047,
0.4835


 69.1639, 0.4313,
0.4323


 4.9477, 0.5161,
0.4839

 91.4260, 0.4220,
0.4248

 2.2166, 0.5248,
0.4752

 118.0157, 0.4140,
0.4182

 0.7290, 0.5438,
0.4562

 149.3175, 0.4069,
0.4124

 0.0000, 0.0000,
0.0000

 185.7159, 0.4008,

0.4072

227.5951, 0.3953,
0.4025

24.5002, 0.4684,
0.4603

24.5002, 0.4684,
0.4603

23.5636, 0.4764,
0.4600

25.8193, 0.4560,
0.4577

27.2416, 0.4408,
0.4504

28.7758, 0.4234,
0.4389

30.4283, 0.4048,
0.4240

32.2048, 0.3857,
0.4070

■ 34.1105, 0.3669,
0.3886

■ 36.1500, 0.3489,
0.3698

■ 38.3280, 0.3319,
0.3512

■ 40.6483, 0.3163,
0.3333

Harmonies

Analogous

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



24.5002, 0.5129, 0.3887



24.5002, 0.4684, 0.4603



24.5002, 0.3871, 0.5157

Triad

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



24.5002, 0.4684, 0.4603



24.5002, 0.1576, 0.2976



24.5002, 0.3049, 0.2087

Complementary

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



24.5002, 0.4684, 0.4603



5.8854, 0.1653, 0.1078

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.



24.5002, 0.2170, 0.1834



24.5002, 0.4684, 0.4603



24.5002, 0.1445, 0.2197

Square

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



24.5002, 0.4684, 0.4603



24.5002, 0.2083, 0.4142



24.5002, 0.1641, 0.1851



24.5002, 0.4125, 0.2568

Rectangle

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



24.5002, 0.4684, 0.4603



24.5002, 0.3242, 0.5210



24.5002, 0.1641, 0.1851



24.5002, 0.2720, 0.1975

Sweetspot

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



24.5014, 0.4684, 0.4603



63.3362, 0.3597, 0.3812



9.3607, 0.5573, 0.2912



13.4348, 0.3674, 0.3890



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.5014, 0.4684, 0.4603



42.3810, 0.4776, 0.4590



34.8856, 0.3828, 0.5294



8.9586, 0.3269, 0.3455



17.6361, 0.4757, 0.4605



0.5747, 0.4552, 0.4767

Inverse Universe

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



5.8854, 0.1653, 0.1078



8.7014, 0.1586, 0.0911



3.8796, 0.1690, 0.0747



8.0962, 0.2986, 0.3120



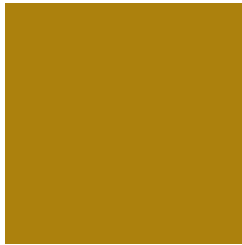
3.7781, 0.1599, 0.0956



0.1963, 0.1769, 0.1568

Previews

White Background



This preview shows how the Yxy color 24.5002, 0.4684, 0.4603 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 24.5002, 0.4684, 0.4603 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 24.5002, 0.4684, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 24.5002, 0.4684, 0.4603.



This preview shows how white text looks on a background with the Yxy color 24.5002, 0.4684, 0.4603.

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

24.5002, 0.4684, 0.4603

Protanopia

24.4180, 0.4364, 0.4836

Deuteranopia

24.5002, 0.4684, 0.4603



Tritanopia

24.4829, 0.3748, 0.3160

Trichromacy



Original Color

24.5002, 0.4684, 0.4603

Protanomaly

24.2831, 0.4488, 0.4744

Deuteranomaly

24.5002, 0.4684, 0.4603

Tritanomaly

24.0841, 0.4236, 0.3820

Monochromacy



Original Color

24.5002, 0.4684, 0.4603

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4084, 0.3802, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5002, 0.4684, 0.4603 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(172, 129, 13)` looks like.

```
.text, #text, p{  
    color:rgb(172, 129, 13)  
}
```

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(172, 129, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 129, 13) }
```

Border

The CSS property to change the border of an element to Yxy 24.5002, 0.4684, 0.4603 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(172, 129, 13) }
```

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

```
.border{ border-color:rgb(172, 129, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 129, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 129, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 129, 13);  
box-shadow:4px 4px 4px 4px rgb(172, 129,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5002, 0.4684, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 129, 13) }
```

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

```
.background{ background-color: rgb(172,  
129, 13) }
```

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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