

Converting Colors

$Y_{xy}(24.1255, 0.4745, 0.4548)$

Have a look what the booklet for
Yxy(24.1255, 0.4745, 0.4548)
contains.

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Color

Yxy(24.0674, 0.4757, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	AF7E0E
RGB	175, 126, 14
RGB Percent	69%, 49%, 5%
CMY	0.3136, 0.5059, 0.9449
CMYK	0.00, 0.28, 0.92, 0.31
HSL	42°, 85%, 37%
HSV	42°, 92%, 69%
XYZ	25.2233, 24.0674, 3.7329
YIQ	127.8830, 65.1560, -24.4440

Conversions

Conversions Part 2

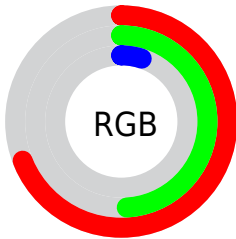
Format	Color
RYB	84, 175, 14
Decimal	11501070
CIELab	56.16, 10.30, 59.43
CIElCh	56, 60.319, 80.172
Yxy	24.0674, 0.4757, 0.4539
Android (android.graphics.Color)	4289691150 (0xFFAF7E0E)
YUV	127.8830, -56.1443, 41.3216
Hunter-Lab	49.0585, 5.9229, 29.8296

Details

The Yxy color **24.0674, 0.4757, 0.4539** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.7528, 0.1678, 0.1168**, and the grayscale version is **21.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9974, 0.4478, 0.4354**, and **9.0897, 0.4919, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **22.9662, 0.4853, 0.4529**, and if you desaturate by 10%, it is **25.5384, 0.4617, 0.4518**.

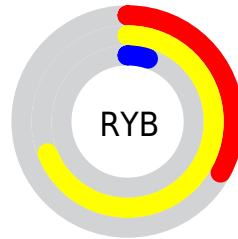
Distribution



Red (69%)

Green (49%)

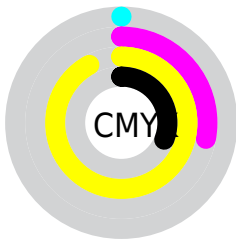
Blue (5%)



Red (33%)

Yellow (69%)

Blue (5%)

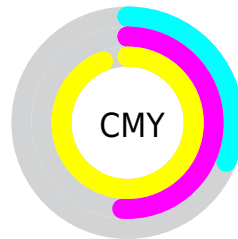


Cyan (0%)

Magenta (28%)

Yellow (92%)

Black (31%)



Cyan (31%)


Magenta (51%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0674, 0.4757, 0.4539 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 24.0674, 0.4757, 0.4539 by changing the saturation by 10% instead.


 24.0674, 0.4757,
0.4539


 24.0674, 0.4757,
0.4539


273.1611, 0.3934,
0.3961


 15.3836, 0.4926,
0.4629


 50.1402, 0.4475,
0.4360

 9.0891, 0.5154,
0.4741


 68.2979, 0.4362,
0.4282


 4.7993, 0.5286,
0.4714

 90.3825, 0.4264,
0.4212

 2.1300, 0.5410,
0.4590

 116.7783, 0.4180,
0.4149

 0.6814, 0.5692,
0.4308

 147.8696, 0.4106,
0.4094


 0.0000, 0.0000,
0.0000


 184.0409, 0.4041,


0.4045


 225.6766, 0.3984,
0.4000

 24.0674, 0.4757,
0.4539

 24.0674, 0.4757,
0.4539


 22.9662, 0.4853,
0.4529

 25.5384, 0.4617,
0.4518

 27.1322, 0.4450,
0.4449

 28.8582, 0.4262,
0.4338

 30.7234, 0.4064,
0.4194

 32.7341, 0.3864,
0.4029

■ 34.8958, 0.3669,
0.3852

■ 37.2139, 0.3485,
0.3672

■ 39.6933, 0.3313,
0.3494

■ 42.3385, 0.3156,
0.3323

Harmonies

Analogous

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



24.0674, 0.5155, 0.3817



24.0674, 0.4757, 0.4539



24.0674, 0.3964, 0.5132

Triad

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



24.0674, 0.4757, 0.4539



24.0674, 0.1600, 0.3075



24.0674, 0.2947, 0.2044

Complementary

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



24.0674, 0.4757, 0.4539



6.7528, 0.1678, 0.1168

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.



24.0674, 0.2095, 0.1815



24.0674, 0.4757, 0.4539



24.0674, 0.1434, 0.2246

Square

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



24.0674, 0.4757, 0.4539



24.0674, 0.2147, 0.4267



24.0674, 0.1599, 0.1861



24.0674, 0.4027, 0.2507

Rectangle

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



24.0674, 0.4757, 0.4539



24.0674, 0.3336, 0.5241



24.0674, 0.1599, 0.1861



24.0674, 0.2625, 0.1939

Sweetspot

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



24.0686, 0.4757, 0.4539



63.8967, 0.3603, 0.3789



9.8137, 0.5445, 0.2843



13.8202, 0.3684, 0.3865



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.0686, 0.4757, 0.4539



40.7184, 0.4867, 0.4518



36.7665, 0.3881, 0.5250



8.9122, 0.3270, 0.3447



16.5545, 0.4843, 0.4536



0.5510, 0.4605, 0.4726

Inverse Universe

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



6.7528, 0.1678, 0.1168



9.8144, 0.1607, 0.0986



3.9370, 0.1660, 0.0733



8.1402, 0.2986, 0.3128



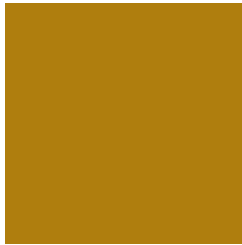
4.1566, 0.1621, 0.1035



0.2134, 0.1796, 0.1667

Previews

White Background



This preview shows how the Yxy color 24.0674, 0.4757, 0.4539 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 24.0674, 0.4757, 0.4539 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 24.0674, 0.4757, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 24.0674, 0.4757, 0.4539.



This preview shows how white text looks on a background with the Yxy color 24.0674, 0.4757, 0.4539.

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

24.0674, 0.4757, 0.4539

Protanopia

24.0438, 0.4362, 0.4830

Deuteranopia

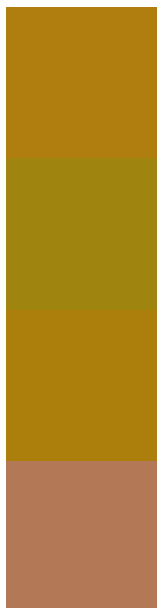
24.1204, 0.4692, 0.4606



Tritanopia

24.0527, 0.3836, 0.3162

Trichromacy



Original Color

24.0674, 0.4757, 0.4539

Protanomaly

24.0135, 0.4499, 0.4729

Deuteranomaly

23.9759, 0.4715, 0.4583

Tritanomaly

23.6725, 0.4321, 0.3796

Monochromacy



Original Color

24.0674, 0.4757, 0.4539

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8866, 0.3815, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0674, 0.4757, 0.4539 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(175, 126, 14)` looks like.

```
.text, #text, p{  
    color:rgb(175, 126, 14)  
}
```

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(175, 126, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 126, 14) }
```

Border

The CSS property to change the border of an element to Yxy 24.0674, 0.4757, 0.4539 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(175, 126, 14) }
```

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

```
.border{ border-color:rgb(175, 126, 14) }
```

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

Here you see how a box with a 4 pixel rgb(175, 126, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 126, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 126, 14);  
box-shadow:4px 4px 4px 4px rgb(175, 126,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0674, 0.4757, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 126, 14) }
```

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

```
.background{ background-color: rgb(175,  
126, 14) }
```

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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