

Converting Colors

$Y_{xy}(24.8612, 0.4612, 0.4712)$

Have a look what the booklet for
Yxy(24.8612, 0.4612, 0.4712)
contains.

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Color

Yxy(24.7224, 0.4611, 0.4711)

Conversions

Conversions Part 1

Format	Color
Hex	A78402
RGB	167, 132, 2
RGB Percent	65%, 52%, 1%
CMY	0.3451, 0.4823, 0.9916
CMYK	0.00, 0.21, 0.99, 0.35
HSL	47°, 97%, 33%
HSV	47°, 99%, 65%
XYZ	24.1976, 24.7224, 3.5580
YIQ	127.6450, 62.5900, -33.0100

Conversions

Conversions Part 2

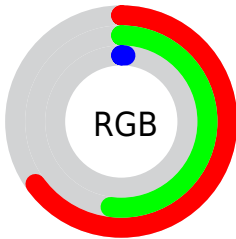
Format	Color
RYB	46, 167, 2
Decimal	10978306
CIELab	56.80, 3.08, 61.58
CIELCh	57, 61.660, 87.133
Yxy	24.7224, 0.4611, 0.4711
Android (android.graphics.Color)	4289168386 (0xFFA78402)
YUV	127.6450, -61.9430, 34.5143
Hunter-Lab	49.7216, -0.1437, 30.5624

Details

The Yxy color **24.7224, 0.4611, 0.4711** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.1349, 0.1573, 0.0848**, and the grayscale version is **21.6656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2963, 0.4368, 0.4500**, and **9.5015, 0.4678, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **24.5954, 0.4622, 0.4712**, and if you desaturate by 10%, it is **25.7430, 0.4523, 0.4697**.

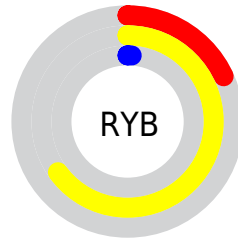
Distribution



Red (65%)

Green (52%)

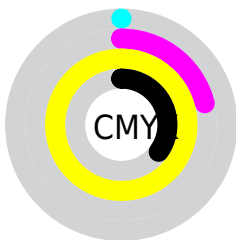
Blue (1%)



Red (18%)

Yellow (65%)

Blue (1%)

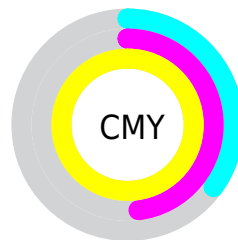


Cyan (0%)

Magenta (21%)

Yellow (99%)

Black (35%)



Cyan (35%)

Magenta (48%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7224, 0.4611, 0.4711 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 24.7224, 0.4611, 0.4711 by changing the saturation by 10% instead.

■ 24.7224, 0.4611,
0.4711

■ 24.7224, 0.4611,
0.4711

■ 276.4526, 0.3882,
0.4031

■ 15.8704, 0.4749,
0.4829

■ 51.2065, 0.4369,
0.4492

■ 9.4325, 0.4940,
0.4991

■ 69.6074, 0.4269,
0.4399

■ 5.0243, 0.4997,
0.5003

■ 91.9600, 0.4182,
0.4318

■ 2.2615, 0.5035,
0.4965

■ 118.6487, 0.4106,
0.4245


■ 0.7532, 0.5123,
0.4877

■ 150.0579, 0.4039,
0.4182

■ 0.0000, 0.0000,
0.0000


■ 186.5720, 0.3980,

0.4125


 228.5755, 0.3928,
0.4075


 24.7224, 0.4611,
0.4711


 24.7224, 0.4611,
0.4711


 24.5954, 0.4622,
0.4712

 25.7430, 0.4523,
0.4697

 26.8318, 0.4411,
0.4643

 28.0012, 0.4272,
0.4544

 29.2575, 0.4113,
0.4406

 30.6060, 0.3942,
0.4239

■ 32.0516, 0.3765,
0.4051

■ 33.5984, 0.3589,
0.3853

■ 35.2505, 0.3419,
0.3653

■ 37.0116, 0.3258,
0.3456

Harmonies

Analogous

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



24.7224, 0.5134, 0.3986



24.7224, 0.4611, 0.4711



24.7224, 0.3752, 0.5232

Triad

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



24.7224, 0.4611, 0.4711



24.7224, 0.1512, 0.2832



24.7224, 0.3187, 0.2121

Complementary

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



24.7224, 0.4611, 0.4711



4.1349, 0.1573, 0.0848

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.



24.7224, 0.2251, 0.1831



24.7224, 0.4611, 0.4711



24.7224, 0.1428, 0.2107

Square

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



24.7224, 0.4611, 0.4711



24.7224, 0.1971, 0.3994



24.7224, 0.1669, 0.1809



24.7224, 0.4284, 0.2633

Rectangle

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



24.7224, 0.4611, 0.4711



24.7224, 0.3109, 0.5215



24.7224, 0.1669, 0.1809



24.7224, 0.2841, 0.1996

Sweetspot

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



24.7236, 0.4611, 0.4711



59.6599, 0.3621, 0.3890



8.4001, 0.5975, 0.3078



13.0975, 0.3692, 0.3971



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



24.7236, 0.4611, 0.4711



43.7456, 0.4631, 0.4705



31.6517, 0.3708, 0.5429



8.4995, 0.3267, 0.3467



18.8960, 0.4617, 0.4716



0.5256, 0.4453, 0.4846

Inverse Universe

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



4.1349, 0.1573, 0.0848



6.9506, 0.1557, 0.0803



3.4857, 0.1701, 0.0718



7.5490, 0.2986, 0.3107



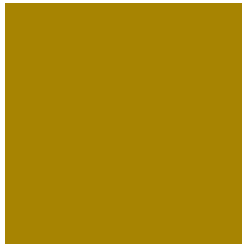
3.1353, 0.1567, 0.0842



0.1459, 0.1730, 0.1427

Previews

White Background



This preview shows how the Yxy color 24.7224, 0.4611, 0.4711 looks on a white background.

Color Contrast Check

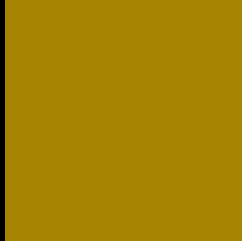
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7224, 0.4611, 0.4711 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 24.7224, 0.4611, 0.4711

Background



This preview shows how black text looks on a background with the Yxy color 24.7224, 0.4611, 0.4711.



This preview shows how white text looks on a background with the Yxy color 24.7224, 0.4611, 0.4711.

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

24.7224, 0.4611, 0.4711

Protanopia

24.7789, 0.4382, 0.4865

Deuteranopia

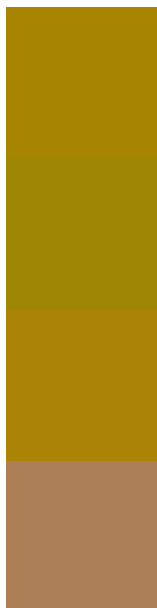
24.8714, 0.4689, 0.4615



Tritanopia

24.8305, 0.3650, 0.3157

Trichromacy



Original Color

24.7224, 0.4611, 0.4711

Protanomaly

24.7120, 0.4470, 0.4804

Deuteranomaly

24.9059, 0.4659, 0.4651

Tritanomaly

24.2355, 0.4174, 0.3907

Monochromacy



Original Color

24.7224, 0.4611, 0.4711

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0605, 0.3819, 0.4104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7224, 0.4611, 0.4711 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(167, 132, 2)` looks like.

```
.text, #text, p{  
    color:rgb(167, 132, 2)  
}
```

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(167, 132, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 132, 2) }
```

Border

The CSS property to change the border of an element to Yxy 24.7224, 0.4611, 0.4711 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(167, 132, 2) }
```

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

```
.border{ border-color:rgb(167, 132, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 132, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 132, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 132, 2);  
box-shadow:4px 4px 4px 4px rgb(167, 132,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7224, 0.4611, 0.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 132, 2) }
```

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

```
.background{ background-color: rgb(167,  
132, 2) }
```

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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