

Converting Colors

$Y_{xy}(23.8278, 0.4954, 0.5046)$

Have a look what the booklet for
Yxy(23.8278, 0.4954, 0.5046)
contains.

Yxy(24.0253, 0.4669, 0.4675)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0253, 0.4669, 0.4675)

Conversions

Conversions Part 1

Format	Color
Hex	A88100
RGB	168, 129, 0
RGB Percent	66%, 51%, 0%
CMY	0.3413, 0.4941, 1.0000
CMYK	0.00, 0.23, 1.00, 0.34
HSL	46°, 100%, 33%
HSV	46°, 100%, 66%
XYZ	23.9945, 24.0253, 3.3713
YIQ	125.9550, 64.6530, -31.8510

Conversions

Conversions Part 2

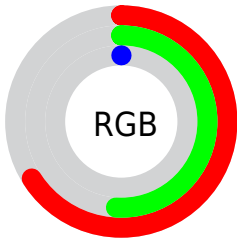
Format	Color
R_{YB}	51, 168, 0
Decimal	11043072
CIE _{Lab}	56.11, 5.17, 61.53
CIE _{LCh}	56, 61.748, 85.195
Yxy	24.0253, 0.4669, 0.4675
Android (android.graphics.Color)	4289233152 (0xFFA88100)
YUV	125.9550, -62.0958, 36.8735
Hunter-Lab	49.0156, 1.6033, 30.2330

Details

The Yxy color **24.0253, 0.4669, 0.4675** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **4.2745, 0.1573, 0.0863**, and the grayscale version is **21.0470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2041, 0.4407, 0.4474**, and **9.1168, 0.4759, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **24.0266, 0.4669, 0.4675**, and if you desaturate by 10%, it is **25.1126, 0.4576, 0.4668**.

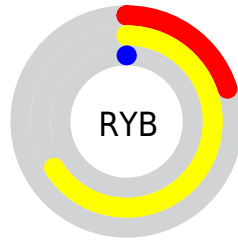
Distribution



Red (66%)

Green (51%)

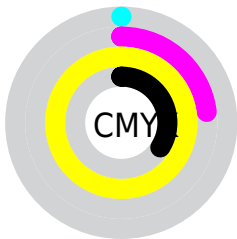
Blue (0%)



Red (20%)

Yellow (66%)

Blue (0%)

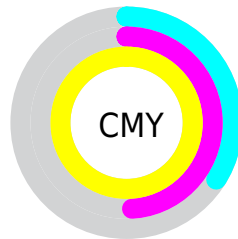


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0253, 0.4669, 0.4675 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 24.0253, 0.4669, 0.4675 by changing the saturation by 10% instead.


 24.0253, 0.4669,
0.4675


 24.0253, 0.4669,
0.4675


 272.9484, 0.3905,
0.4019


 15.3524, 0.4815,
0.4784


 50.0715, 0.4414,
0.4468

 9.0671, 0.5030,
0.4942


 68.2135, 0.4310,
0.4378

 4.7850, 0.5084,
0.4916

 90.2808, 0.4219,
0.4299

 2.1216, 0.5148,
0.4852

 116.6576, 0.4139,
0.4229

 0.6768, 0.5321,
0.4679


 147.7283, 0.4069,
0.4167


 0.0000, 0.0000,
0.0000

 183.8775, 0.4008,


0.4112


 225.4893, 0.3954,
0.4063


 24.0253, 0.4669,
0.4675


 24.0253, 0.4669,
0.4675

 24.0266, 0.4669,
0.4675

 25.1126, 0.4576,
0.4668

 26.2717, 0.4459,
0.4623

 27.5180, 0.4316,
0.4532

 28.8580, 0.4153,
0.4402

 30.2972, 0.3977,
0.4241

■ 31.8408, 0.3795,
0.4059

■ 33.4933, 0.3615,
0.3866

■ 35.2587, 0.3442,
0.3669

■ 37.1410, 0.3279,
0.3476

Harmonies

Analogous

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



24.0253, 0.5169, 0.3940



24.0253, 0.4669, 0.4675



24.0253, 0.3816, 0.5233

Triad

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



24.0253, 0.4669, 0.4675



24.0253, 0.1516, 0.2890



24.0253, 0.3117, 0.2084

Complementary

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



24.0253, 0.4669, 0.4675



4.2745, 0.1573, 0.0863

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.



24.0253, 0.2194, 0.1809



24.0253, 0.4669, 0.4675



24.0253, 0.1409, 0.2128

Square

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



24.0253, 0.4669, 0.4675



24.0253, 0.2002, 0.4083



24.0253, 0.1631, 0.1805



24.0253, 0.4228, 0.2588

Rectangle

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



24.0253, 0.4669, 0.4675



24.0253, 0.3169, 0.5259



24.0253, 0.1631, 0.1805



24.0253, 0.2773, 0.1964

Sweetspot

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



24.0266, 0.4669, 0.4675



60.6288, 0.3625, 0.3877



8.4698, 0.5965, 0.3060



12.9465, 0.3697, 0.3955



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.



24.0266, 0.4669, 0.4675



43.2736, 0.4679, 0.4667



32.2200, 0.3732, 0.5419



8.4744, 0.3267, 0.3462



18.2305, 0.4663, 0.4679



0.5138, 0.4480, 0.4825

Inverse Universe

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



4.2745, 0.1573, 0.0863



7.4860, 0.1566, 0.0837



3.3794, 0.1669, 0.0693



7.5725, 0.2986, 0.3111



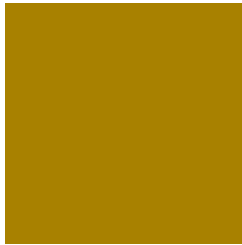
3.2964, 0.1578, 0.0879



0.1547, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 24.0253, 0.4669, 0.4675 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 24.0253, 0.4669, 0.4675 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 24.0253, 0.4669, 0.4675

Background



This preview shows how black text looks on a background with the Yxy color 24.0253, 0.4669, 0.4675.



This preview shows how white text looks on a background with the Yxy color 24.0253, 0.4669, 0.4675.

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

24.0253, 0.4669, 0.4675

Protanopia

24.0231, 0.4382, 0.4859

Deuteranopia

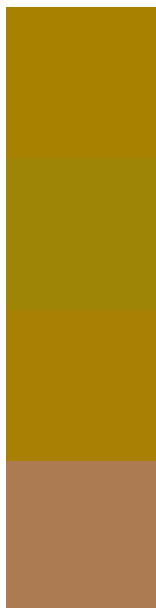
24.1116, 0.4701, 0.4617



Tritanopia

24.0166, 0.3698, 0.3157

Trichromacy



Original Color

24.0253, 0.4669, 0.4675

Protanomaly

24.0573, 0.4486, 0.4792

Deuteranomaly

23.9932, 0.4697, 0.4634

Tritanomaly

23.5458, 0.4246, 0.3902

Monochromacy



Original Color

24.0253, 0.4669, 0.4675

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4207, 0.3842, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0253, 0.4669, 0.4675 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(168, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 129, 0)  
}
```

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(168, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.0253, 0.4669, 0.4675 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(168, 129, 0) }
```

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

```
.border{ border-color:rgb(168, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0253, 0.4669, 0.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 129, 0) }
```

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

```
.background{ background-color: rgb(168,  
129, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor