

Converting Colors

$Y_{xy}(21.9746, 0.4576, 0.4758)$

Have a look what the booklet for
Yxy(21.9746, 0.4576, 0.4758)
contains.

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Color

Yxy(21.9896, 0.4574, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	9C7E00
RGB	156, 126, 0
RGB Percent	61%, 49%, 0%
CMY	0.3881, 0.5059, 0.9998
CMYK	0.00, 0.19, 1.00, 0.39
HSL	48°, 100%, 31%
HSV	48°, 100%, 61%
XYZ	21.1748, 21.9896, 3.1295
YIQ	120.6060, 58.3260, -32.8260

Conversions

Conversions Part 2

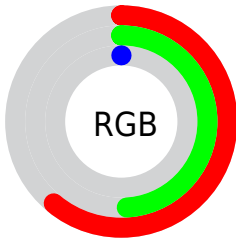
Format	Color
R _Y B	37, 156, 0
Decimal	10255872
CIE Lab	54.02, 1.31, 59.45
CIE LCh	54, 59.468, 88.733
Yxy	21.9896, 0.4574, 0.4750
Android (android.graphics.Color)	4288445952 (0xFF9C7E00)
YUV	120.6060, -59.4588, 31.0405
Hunter-Lab	46.8931, -1.4602, 28.8684

Details

The Yxy color **21.9896, 0.4574, 0.4750** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.3338, 0.1556, 0.0802**, and the grayscale version is **19.1708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5422, 0.4330, 0.4512**, and **8.1581, 0.4615, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **21.9883, 0.4574, 0.4750**, and if you desaturate by 10%, it is **22.8067, 0.4493, 0.4732**.

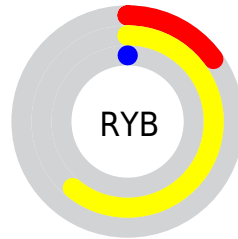
Distribution



Red (61%)

Green (49%)

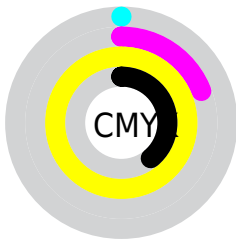
Blue (0%)



Red (15%)

Yellow (61%)

Blue (0%)

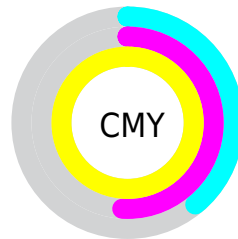


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9896, 0.4574, 0.4750 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 21.9896, 0.4574, 0.4750 by changing the saturation by 10% instead.


 21.9896, 0.4574,
0.4750


 21.9896, 0.4574,
0.4750


262.4920, 0.3852,
0.4030


 13.8493, 0.4710,
0.4881


 46.7288, 0.4333,
0.4513


 8.0159, 0.4919,
0.5081


 64.0965, 0.4234,
0.4414

 4.1051, 0.4930,
0.5070

 85.3087, 0.4148,
0.4328

 1.7325, 0.4949,
0.5051

 110.7498, 0.4072,
0.4252

 0.4446, 0.5056,
0.4944

 140.8044, 0.4006,
0.4186

 0.0000, 0.0000,
0.0000

 175.8566, 0.3949,

0.4127

216.2910, 0.3897,
0.4076

21.9896, 0.4574,
0.4750

21.9896, 0.4574,
0.4750

21.9883, 0.4574,
0.4750

22.8067, 0.4493,
0.4732

23.6737, 0.4390,
0.4678

24.6040, 0.4262,
0.4581

25.6029, 0.4112,
0.4444

26.6750, 0.3948,
0.4277

■ 27.8242, 0.3776,
0.4089

■ 29.0542, 0.3604,
0.3889

■ 30.3683, 0.3436,
0.3685

■ 31.7695, 0.3276,
0.3484

Harmonies

Analogous

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



21.9896, 0.5124, 0.4025



21.9896, 0.4574, 0.4750



21.9896, 0.3702, 0.5250

Triad

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



21.9896, 0.4574, 0.4750



21.9896, 0.1495, 0.2779



21.9896, 0.3245, 0.2140

Complementary

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



21.9896, 0.4574, 0.4750



3.3338, 0.1556, 0.0802

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.



21.9896, 0.2291, 0.1837



21.9896, 0.4574, 0.4750



21.9896, 0.1429, 0.2078

Square

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



21.9896, 0.4574, 0.4750



21.9896, 0.1933, 0.3928



21.9896, 0.1688, 0.1799



21.9896, 0.4341, 0.2663

Rectangle

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



21.9896, 0.4574, 0.4750



21.9896, 0.3056, 0.5201



21.9896, 0.1688, 0.1799



21.9896, 0.2894, 0.2012

Sweetspot

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



21.9907, 0.4574, 0.4750



52.6093, 0.3615, 0.3901



7.1715, 0.6046, 0.3105



11.3816, 0.3682, 0.3980



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.9907, 0.4574, 0.4750



39.6485, 0.4583, 0.4743



27.0509, 0.3679, 0.5460



7.5032, 0.3265, 0.3469



18.1535, 0.4571, 0.4753



0.3757, 0.4397, 0.4891

Inverse Universe

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



3.3338, 0.1556, 0.0802



5.8288, 0.1549, 0.0776



3.0026, 0.1713, 0.0718



6.6318, 0.2988, 0.3104



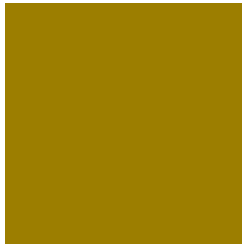
2.7838, 0.1559, 0.0812



0.0993, 0.1730, 0.1427

Previews

White Background



This preview shows how the Yxy color 21.9896, 0.4574, 0.4750 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



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 21.9896, 0.4574, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 21.9896, 0.4574, 0.4750.



This preview shows how white text looks on a background with the Yxy color 21.9896, 0.4574, 0.4750.

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

21.9896, 0.4574, 0.4750

Protanopia

22.0916, 0.4379, 0.4868

Deuteranopia

22.0826, 0.4684, 0.4607



Tritanopia

22.0155, 0.3609, 0.3149

Trichromacy



Original Color

21.9896, 0.4574, 0.4750

Protanomaly

22.1933, 0.4449, 0.4828

Deuteranomaly

22.0077, 0.4645, 0.4658

Tritanomaly

21.4857, 0.4144, 0.3929

Monochromacy



Original Color

21.9896, 0.4574, 0.4750

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.7701, 0.3811, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9896, 0.4574, 0.4750 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(156, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 126, 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(156, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.9896, 0.4574, 0.4750 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(156, 126, 0) }
```

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

```
.border{ border-color:rgb(156, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(156, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9896, 0.4574, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 126, 0) }
```

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

```
.background{ background-color: rgb(156,  
126, 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](#).

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