

Converting Colors

$Y_{xy}(21.9325, 0.4878, 0.4460)$

Have a look what the booklet for
Yxy(21.9325, 0.4878, 0.4460)
contains.

Yxy(21.9775, 0.4873, 0.4464)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9775, 0.4873, 0.4464)

Conversions

Conversions Part 1

Format	Color
Hex	AE760A
RGB	174, 118, 10
RGB Percent	68%, 46%, 4%
CMY	0.3176, 0.5373, 0.9608
CMYK	0.00, 0.32, 0.94, 0.32
HSL	40°, 89%, 36%
HSV	40°, 94%, 68%
XYZ	23.9911, 21.9775, 3.2641
YIQ	122.4320, 68.0440, -21.7160

Conversions

Conversions Part 2

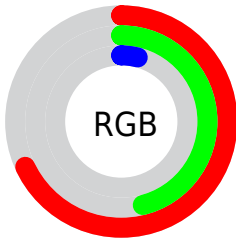
Format	Color
RYB	95, 174, 10
Decimal	11433482
CIELab	54.00, 14.25, 58.57
CIELCh	54, 60.275, 76.322
Yxy	21.9775, 0.4873, 0.4464
Android (android.graphics.Color)	4289623562 (0xFFAE760A)
YUV	122.4320, -55.4290, 45.2251
Hunter-Lab	46.8802, 9.3078, 28.6879

Details

The Yxy color **21.9775, 0.4873, 0.4464** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0175, 0.1686, 0.1218**, and the grayscale version is **19.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6841, 0.4563, 0.4311**, and **8.0933, 0.5063, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **21.1681, 0.4951, 0.4451**, and if you desaturate by 10%, it is **23.4817, 0.4724, 0.4462**.

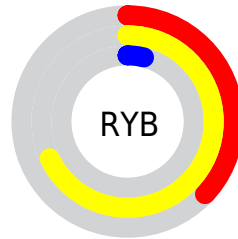
Distribution



Red (68%)

Green (46%)

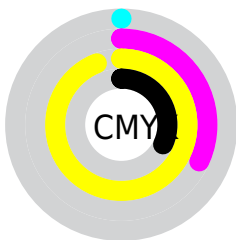
Blue (4%)



Red (37%)

Yellow (68%)

Blue (4%)

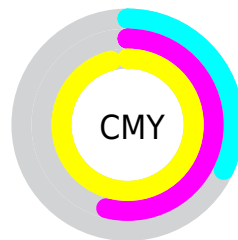


Cyan (0%)

Magenta (32%)

Yellow (94%)

Black (32%)



Cyan (32%)


Magenta (54%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9775, 0.4873, 0.4464 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 21.9775, 0.4873, 0.4464 by changing the saturation by 10% instead.

 21.9775, 0.4873,
0.4464


 21.9775, 0.4873,
0.4464


262.4288, 0.3974,
0.3933


 13.8404, 0.5062,
0.4534


 46.7088, 0.4561,
0.4307

 8.0097, 0.5351,
0.4646


 64.0718, 0.4438,
0.4235


 4.1012, 0.5467,
0.4533

 85.2788, 0.4331,
0.4170

 1.7303, 0.5653,
0.4347

 110.7143, 0.4239,
0.4111


 0.4432, 0.6344,
0.3656


 140.7626, 0.4160,
0.4059

 0.0000, 0.0000,
0.0000


 175.8082, 0.4090,

0.4012


 216.2355, 0.4029,
0.3970


 21.9775, 0.4873,
0.4464

 21.9775, 0.4873,
0.4464


 21.1681, 0.4951,
0.4451

 23.4817, 0.4724,
0.4462

 25.1224, 0.4546,
0.4410

 26.9095, 0.4347,
0.4314

 28.8506, 0.4137,
0.4184

 30.9525, 0.3927,
0.4030

■ 33.2212, 0.3723,
0.3863

■ 35.6625, 0.3531,
0.3691

■ 38.2815, 0.3353,
0.3521

■ 41.0835, 0.3191,
0.3357

Harmonies

Analogous

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



21.9775, 0.5217, 0.3725



21.9775, 0.4873, 0.4464



21.9775, 0.4092, 0.5120

Triad

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



21.9775, 0.4873, 0.4464



21.9775, 0.1611, 0.3209



21.9775, 0.2808, 0.1971

Complementary

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



21.9775, 0.4873, 0.4464



7.0175, 0.1686, 0.1218

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.



21.9775, 0.1984, 0.1772



21.9775, 0.4873, 0.4464



21.9775, 0.1398, 0.2296

Square

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



21.9775, 0.4873, 0.4464



21.9775, 0.2217, 0.4456



21.9775, 0.1525, 0.1855



21.9775, 0.3909, 0.2415

Rectangle

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



21.9775, 0.4873, 0.4464



21.9775, 0.3458, 0.5308



21.9775, 0.1525, 0.1855



21.9775, 0.2493, 0.1875

Sweetspot

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



21.9786, 0.4873, 0.4464



62.7635, 0.3610, 0.3764



9.6270, 0.5394, 0.2793



13.5364, 0.3693, 0.3837



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.



21.9786, 0.4873, 0.4464



37.9593, 0.4967, 0.4438



36.7275, 0.3935, 0.5224



8.8626, 0.3271, 0.3439



15.4640, 0.4940, 0.4460



0.5264, 0.4663, 0.4679

Inverse Universe

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



7.0175, 0.1686, 0.1218



10.9218, 0.1633, 0.1078



3.6235, 0.1610, 0.0692



8.1877, 0.2986, 0.3137



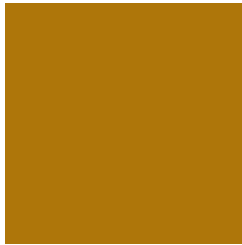
4.6174, 0.1647, 0.1128



0.2318, 0.1825, 0.1768

Previews

White Background



This preview shows how the Yxy color 21.9775, 0.4873, 0.4464 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 21.9775, 0.4873, 0.4464 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 21.9775, 0.4873, 0.4464

Background



This preview shows how black text looks on a background with the Yxy color 21.9775, 0.4873, 0.4464.



This preview shows how white text looks on a background with the Yxy color 21.9775, 0.4873, 0.4464.

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

21.9775, 0.4873, 0.4464

Protanopia

22.1107, 0.4359, 0.4838

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0436, 0.3952, 0.3175

Trichromacy



Original Color

21.9775, 0.4873, 0.4464

Protanomaly

22.0187, 0.4542, 0.4708

Deuteranomaly

22.0083, 0.4777, 0.4569

Tritanomaly

21.7219, 0.4432, 0.3783

Monochromacy



Original Color

21.9775, 0.4873, 0.4464

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9315, 0.3873, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9775, 0.4873, 0.4464 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(174, 118, 10)` looks like.

```
.text, #text, p{  
    color:rgb(174, 118, 10)  
}
```

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(174, 118, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 118, 10) }
```

Border

The CSS property to change the border of an element to Yxy 21.9775, 0.4873, 0.4464 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(174, 118, 10) }
```

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

```
.border{ border-color:rgb(174, 118, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 118, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 118, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 118, 10);  
box-shadow:4px 4px 4px 4px rgb(174, 118,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9775, 0.4873, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 118, 10) }
```

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

```
.background{ background-color: rgb(174,  
118, 10) }
```

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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