

Converting Colors

$Y_{xy}(21.2303, 0.4821, 0.4554)$

Have a look what the booklet for
Yxy(21.2303, 0.4821, 0.4554)
contains.

| | |
|---|----|
| Yxy(21.1724, 0.4821, 0.4554) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(21.1724, 0.4821, 0.4554)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A77600 |
| RGB | 167, 118, 0 |
| RGB Percent | 65%, 46%, 0% |
| CMY | 0.3451, 0.5372, 0.9999 |
| CMYK | 0.00, 0.29, 1.00, 0.35 |
| HSL | 42°, 100%, 33% |
| HSV | 42°, 100%, 65% |
| XYZ | 22.4137, 21.1724, 2.9057 |
| YIQ | 119.1990, 67.0820, -26.3100 |

Conversions

Conversions Part 2

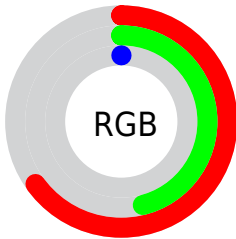
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 69, 167, 0 |
| Decimal | 10974720 |
| CIELab | 53.14, 10.90, 59.44 |
| CIELCh | 53, 60.427, 79.608 |
| Yxy | 21.1724, 0.4821, 0.4554 |
| Android (android.graphics.Color) | 4289164800 (0xFFA77600) |
| YUV | 119.1990, -58.7651, 41.9215 |
| Hunter-Lab | 46.0135, 6.4260, 28.4653 |

Details

The Yxy color **21.1724, 0.4821, 0.4554** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9869, 0.1610, 0.0994**, and the grayscale version is **18.6897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4737, 0.4524, 0.4374**, and **7.6953, 0.4970, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **21.1720, 0.4821, 0.4554**, and if you desaturate by 10%, it is **22.3971, 0.4703, 0.4559**.

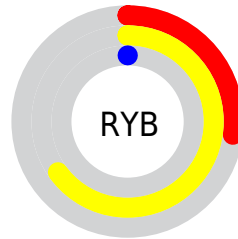
Distribution



Red (65%)

Green (46%)

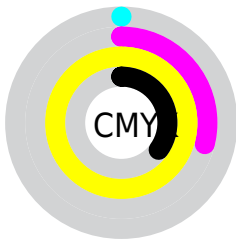
Blue (0%)



Red (27%)

Yellow (65%)

Blue (0%)

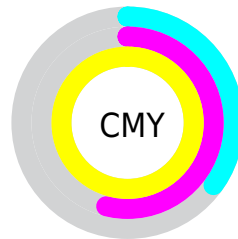


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1724, 0.4821, 0.4554 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 21.1724, 0.4821, 0.4554 by changing the saturation by 10% instead.


 21.1724, 0.4821,
0.4554


 21.1724, 0.4821,
0.4554


258.1933, 0.3954,
0.3968


 13.2501, 0.4997,
0.4637


 45.3743, 0.4524,
0.4377


 7.6010, 0.5249,
0.4751


 62.4226, 0.4405,
0.4297


 3.8407, 0.5342,
0.4658

 83.2818, 0.4302,
0.4225

 1.5849, 0.5496,
0.4504

 108.3361, 0.4213,
0.4161

 0.3474, 0.6319,
0.3681


 137.9700, 0.4135,
0.4105


 0.0000, 0.0000,
0.0000


 172.5679, 0.4067,


0.4054


 212.5142, 0.4007,
0.4009

 21.1724, 0.4821,
0.4554


 21.1724, 0.4821,
0.4554

 21.1720, 0.4821,
0.4554

 22.3971, 0.4703,
0.4559

 23.7146, 0.4562,
0.4525

 25.1404, 0.4394,
0.4444

 26.6813, 0.4209,
0.4323

 28.3433, 0.4014,
0.4172

■ 30.1317, 0.3818,
0.4002

■ 32.0514, 0.3627,
0.3822

■ 34.1069, 0.3447,
0.3640

■ 36.3025, 0.3280,
0.3461

Harmonies

Analogous

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



21.1724, 0.5237, 0.3805



21.1724, 0.4821, 0.4554



21.1724, 0.3997, 0.5196

Triad

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



21.1724, 0.4821, 0.4554



21.1724, 0.1550, 0.3079



21.1724, 0.2916, 0.1994

Complementary

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



21.1724, 0.4821, 0.4554



4.9869, 0.1610, 0.0994

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.



21.1724, 0.2042, 0.1764



21.1724, 0.4821, 0.4554



21.1724, 0.1377, 0.2211

Square

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



21.1724, 0.4821, 0.4554



21.1724, 0.2116, 0.4340



21.1724, 0.1541, 0.1813



21.1724, 0.4044, 0.2466

Rectangle

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



21.1724, 0.4821, 0.4554



21.1724, 0.3348, 0.5336



21.1724, 0.1541, 0.1813



21.1724, 0.2584, 0.1888

Sweetspot

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



21.1735, 0.4821, 0.4554



57.2106, 0.3638, 0.3832



8.4464, 0.5744, 0.2938



12.4854, 0.3714, 0.3906



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.



21.1735, 0.4821, 0.4554



37.5491, 0.4835, 0.4543



32.6700, 0.3846, 0.5328



8.3965, 0.3269, 0.3449



16.2904, 0.4814, 0.4560



0.4783, 0.4567, 0.4756

Inverse Universe

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



4.9869, 0.1610, 0.0994



8.6172, 0.1602, 0.0965



3.1204, 0.1603, 0.0657



7.6459, 0.2986, 0.3126



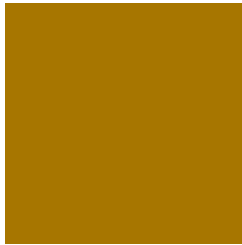
3.8911, 0.1614, 0.1011



0.1819, 0.1800, 0.1681

Previews

White Background



This preview shows how the Yxy color 21.1724, 0.4821, 0.4554 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 21.1724, 0.4821, 0.4554 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 21.1724, 0.4821, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 21.1724, 0.4821, 0.4554.



This preview shows how white text looks on a background with the Yxy color 21.1724, 0.4821, 0.4554.

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

21.1724, 0.4821, 0.4554

Protanopia

21.3895, 0.4374, 0.4854

Deuteranopia

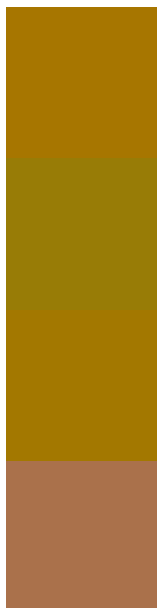
21.2518, 0.4707, 0.4645



Tritanopia

21.2305, 0.3862, 0.3170

Trichromacy



Original Color

21.1724, 0.4821, 0.4554

Protanomaly

21.1039, 0.4540, 0.4745

Deuteranomaly

21.2195, 0.4745, 0.4614

Tritanomaly

20.8643, 0.4395, 0.3860

Monochromacy



Original Color

21.1724, 0.4821, 0.4554

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9497, 0.3879, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1724, 0.4821, 0.4554 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 118, 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(167, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1724, 0.4821, 0.4554 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, 118, 0) }
```

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

```
.border{ border-color:rgb(167, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1724, 0.4821, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 118, 0) }
```

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

```
.background{ background-color: rgb(167,  
118, 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