

Converting Colors

$Y_{xy}(21.2825, 0.4705, 0.4646)$

Have a look what the booklet for
Yxy(21.2825, 0.4705, 0.4646)
contains.

Yxy(21.2518, 0.4707, 0.4645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2518, 0.4707, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	A17900
RGB	161, 121, 0
RGB Percent	63%, 47%, 0%
CMY	0.3686, 0.5255, 1.0000
CMYK	0.00, 0.25, 1.00, 0.37
HSL	45°, 100%, 32%
HSV	45°, 100%, 63%
XYZ	21.5355, 21.2518, 2.9647
YIQ	119.1660, 62.6810, -29.1510

Conversions

Conversions Part 2

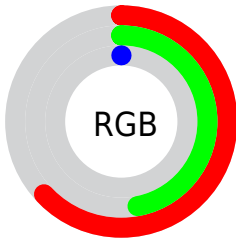
Format	Color
R_{YB}	53, 161, 0
Decimal	10582272
CIE _{Lab}	53.22, 6.44, 59.18
CIE _{LCh}	53, 59.532, 83.790
Y _{xy}	21.2518, 0.4707, 0.4645
Android (android.graphics.Color)	4288772352 (0xFFA17900)
YUV	119.1660, -58.7488, 36.6884
Hunter-Lab	46.0997, 2.7118, 28.4568

Details

The Yxy color **21.2518, 0.4707, 0.4645** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0908, 0.1584, 0.0901**, and the grayscale version is **18.6790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4961, 0.4434, 0.4440**, and **7.7683, 0.4816, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **21.2530, 0.4707, 0.4645**, and if you desaturate by 10%, it is **22.2832, 0.4606, 0.4639**.

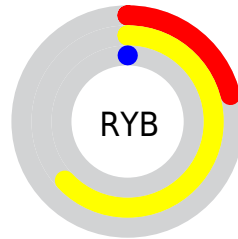
Distribution



Red (63%)

Green (47%)

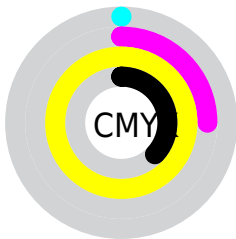
Blue (0%)



Red (21%)

Yellow (63%)

Blue (0%)

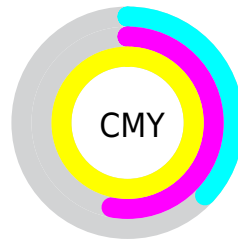


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2518, 0.4707, 0.4645 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 21.2518, 0.4707, 0.4645 by changing the saturation by 10% instead.


 21.2518, 0.4707,
0.4645


 21.2518, 0.4707,
0.4645


258.6137, 0.3905,
0.3995


 13.3082, 0.4865,
0.4750


 45.5062, 0.4435,
0.4439


 7.6411, 0.5097,
0.4903


 62.5858, 0.4324,
0.4350


 3.8662, 0.5153,
0.4847

 83.4795, 0.4229,
0.4272

 1.5990, 0.5247,
0.4753

 108.5718, 0.4146,
0.4202

 0.3569, 0.5818,
0.4182


 138.2469, 0.4074,
0.4141


 0.0000, 0.0000,
0.0000


 172.8893, 0.4010,

0.4086


 212.8834, 0.3955,
0.4038


 21.2518, 0.4707,
0.4645

 21.2518, 0.4707,
0.4645


 21.2530, 0.4707,
0.4645

 22.2832, 0.4606,
0.4639

 23.3842, 0.4483,
0.4595

 24.5692, 0.4333,
0.4506

 25.8444, 0.4164,
0.4378

 27.2147, 0.3984,
0.4220

■ 28.6848, 0.3799,
0.4041

■ 30.2588, 0.3617,
0.3852

■ 31.9405, 0.3442,
0.3660

■ 33.7336, 0.3279,
0.3471

Harmonies

Analogous

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



21.2518, 0.5186, 0.3906



21.2518, 0.4707, 0.4645



21.2518, 0.3861, 0.5225

Triad

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



21.2518, 0.4707, 0.4645



21.2518, 0.1524, 0.2936



21.2518, 0.3067, 0.2062

Complementary

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



21.2518, 0.4707, 0.4645



4.0908, 0.1584, 0.0901

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.



21.2518, 0.2155, 0.1798



21.2518, 0.4707, 0.4645



21.2518, 0.1401, 0.2148

Square

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



21.2518, 0.4707, 0.4645



21.2518, 0.2030, 0.4147



21.2518, 0.1608, 0.1807



21.2518, 0.4183, 0.2557

Rectangle

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



21.2518, 0.4707, 0.4645



21.2518, 0.3214, 0.5280



21.2518, 0.1608, 0.1807



21.2518, 0.2726, 0.1945

Sweetspot

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



21.2530, 0.4707, 0.4645



54.0251, 0.3627, 0.3863



7.7323, 0.5905, 0.3027



11.6007, 0.3698, 0.3938



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2530, 0.4707, 0.4645



37.7353, 0.4718, 0.4636



29.5377, 0.3762, 0.5395



7.9378, 0.3267, 0.3458



17.0401, 0.4702, 0.4649



0.4257, 0.4484, 0.4822

Inverse Universe

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



4.0908, 0.1584, 0.0901



7.0598, 0.1576, 0.0873



3.0295, 0.1653, 0.0684



7.1326, 0.2987, 0.3116



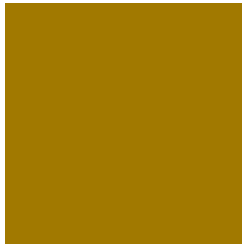
3.3236, 0.1587, 0.0914



0.1395, 0.1774, 0.1585

Previews

White Background



This preview shows how the Yxy color 21.2518, 0.4707, 0.4645 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 21.2518, 0.4707, 0.4645 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 21.2518, 0.4707, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 21.2518, 0.4707, 0.4645.

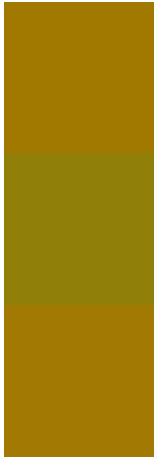


This preview shows how white text looks on a background with the Yxy color 21.2518, 0.4707, 0.4645.

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

21.2518, 0.4707, 0.4645

Protanopia

21.3874, 0.4377, 0.4858

Deuteranopia

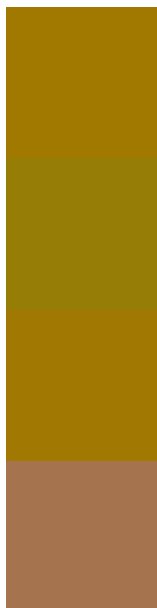
21.2584, 0.4699, 0.4635



Tritanopia

21.1843, 0.3746, 0.3152

Trichromacy



Original Color

21.2518, 0.4707, 0.4645

Protanomaly

21.1644, 0.4501, 0.4776

Deuteranomaly

21.2562, 0.4702, 0.4638

Tritanomaly

20.7966, 0.4288, 0.3879

Monochromacy



Original Color

21.2518, 0.4707, 0.4645

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.0231, 0.3844, 0.4096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2518, 0.4707, 0.4645 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(161, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 121, 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(161, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2518, 0.4707, 0.4645 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(161, 121, 0) }
```

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

```
.border{ border-color:rgb(161, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2518, 0.4707, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 121, 0) }
```

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

```
.background{ background-color: rgb(161,  
121, 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