

Converting Colors

$Y_{xy}(21.6495, 0.4814, 0.4560)$

Have a look what the booklet for
Yxy(21.6495, 0.4814, 0.4560)
contains.

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Color

Yxy(21.5185, 0.4817, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	A87700
RGB	168, 119, 0
RGB Percent	66%, 47%, 0%
CMY	0.3412, 0.5333, 0.9998
CMYK	0.00, 0.29, 1.00, 0.34
HSL	42°, 100%, 33%
HSV	42°, 100%, 66%
XYZ	22.7462, 21.5185, 2.9560
YIQ	120.0850, 67.4030, -26.6210

Conversions

Conversions Part 2

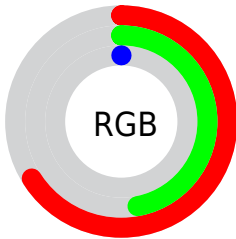
Format	Color
RYB	69, 168, 0
Decimal	11040512
CIELab	53.51, 10.81, 59.74
CIElCh	54, 60.708, 79.747
Yxy	21.5185, 0.4817, 0.4557
Android (android.graphics.Color)	4289230592 (0xFFA87700)
YUV	120.0850, -59.2019, 42.0215
Hunter-Lab	46.3880, 6.3479, 28.6934

Details

The Yxy color **21.5185, 0.4817, 0.4557** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.0291, 0.1609, 0.0990**, and the grayscale version is **18.9908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0131, 0.4524, 0.4379**, and **7.8860, 0.4962, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **21.5156, 0.4817, 0.4557**, and if you desaturate by 10%, it is **22.7566, 0.4700, 0.4562**.

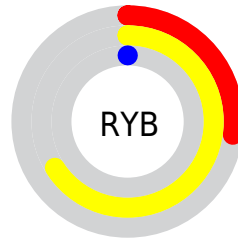
Distribution



Red (66%)

Green (47%)

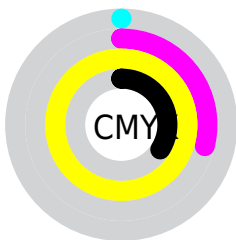
Blue (0%)



Red (27%)

Yellow (66%)

Blue (0%)

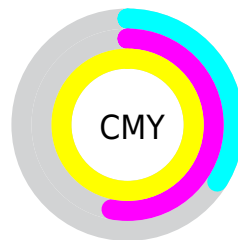


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5185, 0.4817, 0.4557 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 21.5185, 0.4817, 0.4557 by changing the saturation by 10% instead.


 21.5185, 0.4817,
0.4557


 21.5185, 0.4817,
0.4557


260.0213, 0.3955,
0.3971


 13.5035, 0.4991,
0.4640


 45.9489, 0.4522,
0.4380


 7.7762, 0.5243,
0.4757


 63.1331, 0.4404,
0.4300


 3.9521, 0.5334,
0.4666

 84.1425, 0.4301,
0.4228

 1.6468, 0.5483,
0.4517

 109.3615, 0.4212,
0.4164


 0.3888, 0.6196,
0.3804


 139.1745, 0.4135,
0.4107


 0.0000, 0.0000,
0.0000


 173.9659, 0.4067,


0.4057


 214.1200, 0.4008,
0.4012


 21.5185, 0.4817,
0.4557


 21.5185, 0.4817,
0.4557


 21.5156, 0.4817,
0.4557

 22.7566, 0.4700,
0.4562

 24.0882, 0.4559,
0.4527

 25.5290, 0.4392,
0.4446

 27.0860, 0.4207,
0.4325

 28.7651, 0.4013,
0.4174

■ 30.5718, 0.3817,
0.4004

■ 32.5109, 0.3627,
0.3823

■ 34.5871, 0.3447,
0.3640

■ 36.8046, 0.3280,
0.3461

Harmonies

Analogous

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



21.5185, 0.5235, 0.3808



21.5185, 0.4817, 0.4557



21.5185, 0.3993, 0.5197

Triad

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



21.5185, 0.4817, 0.4557



21.5185, 0.1549, 0.3074



21.5185, 0.2921, 0.1996

Complementary

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



21.5185, 0.4817, 0.4557



5.0291, 0.1609, 0.0990

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.



21.5185, 0.2046, 0.1765



21.5185, 0.4817, 0.4557



21.5185, 0.1378, 0.2209

Square

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



21.5185, 0.4817, 0.4557



21.5185, 0.2114, 0.4333



21.5185, 0.1544, 0.1813



21.5185, 0.4049, 0.2469

Rectangle

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



21.5185, 0.4817, 0.4557



21.5185, 0.3344, 0.5334



21.5185, 0.1544, 0.1813



21.5185, 0.2589, 0.1890

Sweetspot

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



21.5196, 0.4817, 0.4557



58.7805, 0.3638, 0.3834



8.5606, 0.5744, 0.2938



12.4972, 0.3714, 0.3907



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.



21.5196, 0.4817, 0.4557



38.6544, 0.4831, 0.4546



33.1094, 0.3846, 0.5328



8.3985, 0.3269, 0.3449



16.3384, 0.4810, 0.4563



0.4792, 0.4565, 0.4757

Inverse Universe

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



5.0291, 0.1609, 0.0990



8.7954, 0.1600, 0.0960



3.1626, 0.1603, 0.0657



7.6440, 0.2986, 0.3126



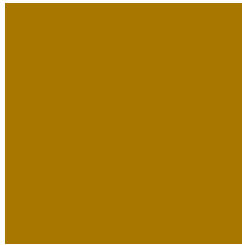
3.8738, 0.1613, 0.1007



0.1812, 0.1799, 0.1676

Previews

White Background



This preview shows how the Yxy color 21.5185, 0.4817, 0.4557 looks on a white background.

Color Contrast Check

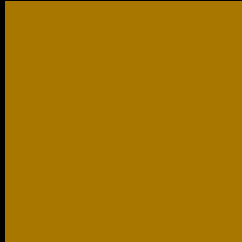
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5185, 0.4817, 0.4557 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 21.5185, 0.4817, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 21.5185, 0.4817, 0.4557.



This preview shows how white text looks on a background with the Yxy color 21.5185, 0.4817, 0.4557.

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

21.5185, 0.4817, 0.4557

Protanopia

21.7422, 0.4373, 0.4856

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5850, 0.3856, 0.3171

Trichromacy



Original Color

21.5185, 0.4817, 0.4557

Protanomaly

21.4527, 0.4537, 0.4747

Deuteranomaly

21.5673, 0.4741, 0.4617

Tritanomaly

21.2144, 0.4385, 0.3858

Monochromacy



Original Color

21.5185, 0.4817, 0.4557

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2731, 0.3885, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5185, 0.4817, 0.4557 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, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 119, 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, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5185, 0.4817, 0.4557 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, 119, 0) }
```

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

```
.border{ border-color:rgb(168, 119, 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, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 119,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5185, 0.4817, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 119, 0) }
```

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

```
.background{ background-color: rgb(168,  
119, 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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