

Converting Colors

$Y_{xy}(21.5585, 0.5010, 0.4990)$

Have a look what the booklet for
Yxy(21.5585, 0.5010, 0.4990)
contains.

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Color

Yxy(21.8116, 0.4726, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	A47A00
RGB	164, 122, 0
RGB Percent	64%, 48%, 0%
CMY	0.3569, 0.5215, 0.9996
CMYK	0.00, 0.26, 1.00, 0.36
HSL	45°, 100%, 32%
HSV	45°, 100%, 64%
XYZ	22.2687, 21.8116, 3.0392
YIQ	120.6500, 64.1940, -29.0380

Conversions

Conversions Part 2

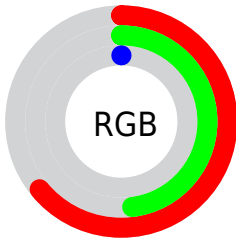
Format	Color
R_{YB}	56, 164, 0
Decimal	10779136
CIE Lab	53.83, 7.26, 59.72
CIE LCh	54, 60.162, 83.066
Yxy	21.8116, 0.4726, 0.4629
Android (android.graphics.Color)	4288969216 (0xFFA47A00)
YUV	120.6500, -59.4804, 38.0180
Hunter-Lab	46.7029, 3.3815, 28.8337

Details

The Yxy color **21.8116, 0.4726, 0.4629** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.3431, 0.1588, 0.0916**, and the grayscale version is **19.1860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3534, 0.4452, 0.4434**, and **8.0234, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **21.8057, 0.4727, 0.4629**, and if you desaturate by 10%, it is **22.9056, 0.4623, 0.4625**.

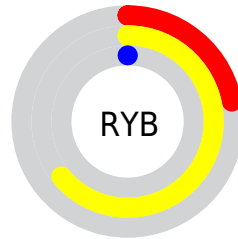
Distribution



Red (64%)

Green (48%)

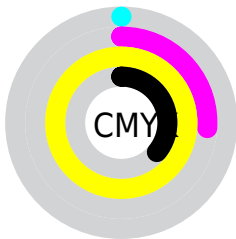
Blue (0%)



Red (22%)

Yellow (64%)

Blue (0%)

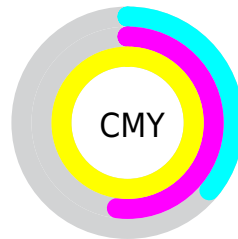


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8116, 0.4726, 0.4629 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 21.8116, 0.4726, 0.4629 by changing the saturation by 10% instead.


 21.8116, 0.4726,
0.4629


 21.8116, 0.4726,
0.4629


261.5608, 0.3917,
0.3993


 13.7185, 0.4886,
0.4730


 46.4344, 0.4452,
0.4430


 7.9252, 0.5122,
0.4878


 63.7330, 0.4340,
0.4343


 4.0471, 0.5184,
0.4816

 84.8688, 0.4244,
0.4266

 1.6999, 0.5285,
0.4715

 110.2263, 0.4160,
0.4198

 0.4236, 0.5779,
0.4221


 140.1898, 0.4087,
0.4137


 0.0000, 0.0000,
0.0000

 175.1438, 0.4023,


0.4084


 215.4727, 0.3967,
0.4036


 21.8116, 0.4726,
0.4629

 21.8116, 0.4726,
0.4629


 21.8057, 0.4727,
0.4629

 22.9056, 0.4623,
0.4625

 24.0753, 0.4496,
0.4583

 25.3355, 0.4344,
0.4496

 26.6923, 0.4172,
0.4369

 28.1513, 0.3988,
0.4212

■ 29.7172, 0.3802,
0.4034

■ 31.3944, 0.3618,
0.3847

■ 33.1870, 0.3443,
0.3656

■ 35.0988, 0.3278,
0.3469

Harmonies

Analogous

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



21.8116, 0.5194, 0.3889



21.8116, 0.4726, 0.4629



21.8116, 0.3884, 0.5220

Triad

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



21.8116, 0.4726, 0.4629



21.8116, 0.1529, 0.2960



21.8116, 0.3041, 0.2051

Complementary

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



21.8116, 0.4726, 0.4629



4.3431, 0.1588, 0.0916

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.



21.8116, 0.2136, 0.1793



21.8116, 0.4726, 0.4629



21.8116, 0.1398, 0.2159

Square

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



21.8116, 0.4726, 0.4629



21.8116, 0.2046, 0.4179



21.8116, 0.1598, 0.1809



21.8116, 0.4159, 0.2542

Rectangle

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



21.8116, 0.4726, 0.4629



21.8116, 0.3237, 0.5289



21.8116, 0.1598, 0.1809



21.8116, 0.2701, 0.1936

Sweetspot

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



21.8127, 0.4726, 0.4629



56.7947, 0.3630, 0.3858



8.0744, 0.5853, 0.2999



12.1466, 0.3702, 0.3934



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.8127, 0.4726, 0.4629



39.2346, 0.4738, 0.4620



30.9650, 0.3790, 0.5373



7.9286, 0.3267, 0.3456



16.8007, 0.4720, 0.4634



0.4221, 0.4494, 0.4813

Inverse Universe

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



4.3431, 0.1588, 0.0916



7.5857, 0.1580, 0.0886



3.1010, 0.1636, 0.0675



7.1413, 0.2987, 0.3118



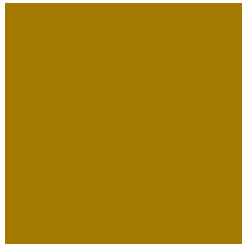
3.3930, 0.1592, 0.0930



0.1425, 0.1781, 0.1609

Previews

White Background



This preview shows how the Yxy color 21.8116, 0.4726, 0.4629 looks on a white background.

Color Contrast Check

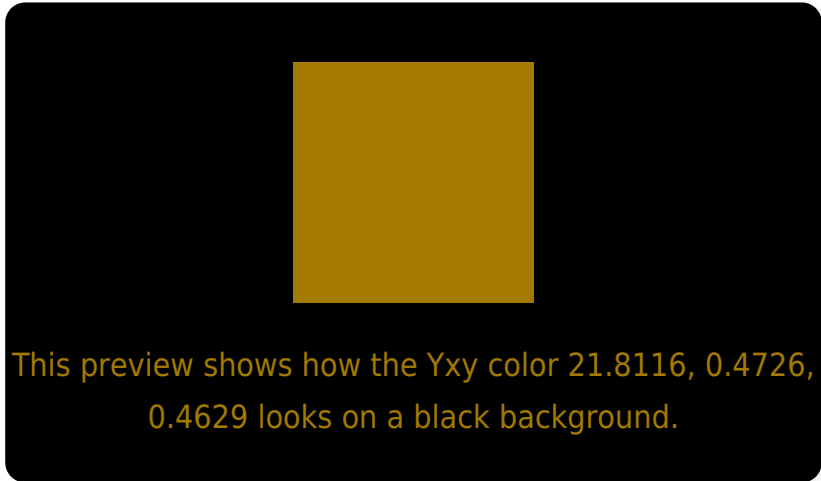
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8116, 0.4726, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 21.8116, 0.4726, 0.4629.



This preview shows how white text looks on a background with the Yxy color 21.8116, 0.4726, 0.4629.

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

21.8116, 0.4726, 0.4629

Protanopia

21.8312, 0.4388, 0.4850

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.7614, 0.3767, 0.3154

Trichromacy



Original Color

21.8116, 0.4726, 0.4629

Protanomaly

21.7072, 0.4523, 0.4759

Deuteranomaly

21.7056, 0.4715, 0.4638

Tritanomaly

21.3657, 0.4305, 0.3870

Monochromacy



Original Color

21.8116, 0.4726, 0.4629

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5289, 0.3866, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8116, 0.4726, 0.4629 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(164, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 122, 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(164, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.8116, 0.4726, 0.4629 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(164, 122, 0) }
```

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

```
.border{ border-color:rgb(164, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8116, 0.4726, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 122, 0) }
```

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

```
.background{ background-color: rgb(164,  
122, 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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