

Converting Colors

$Y_{xy}(21.0098, 0.4499, 0.4634)$

Have a look what the booklet for
Yxy(21.0098, 0.4499, 0.4634)
contains.

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Color

Yxy(21.0128, 0.4497, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	997B1A
RGB	153, 123, 26
RGB Percent	60%, 48%, 10%
CMY	0.4000, 0.5176, 0.8981
CMYK	0.00, 0.20, 0.83, 0.40
HSL	46°, 71%, 35%
HSV	46°, 83%, 60%
XYZ	20.4048, 21.0128, 3.9566
YIQ	120.9120, 49.0170, -23.8070

Conversions

Conversions Part 2

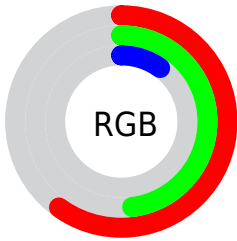
Format	Color
R _{YB}	65, 153, 26
Decimal	10058522
CIE Lab	52.96, 2.13, 52.66
CIE LCh	53, 52.701, 87.682
Yxy	21.0128, 0.4497, 0.4631
Android (android.graphics.Color)	4288248602 (0xFF997B1A)
YUV	120.9120, -46.7916, 28.1412
Hunter-Lab	45.8397, -0.7632, 26.9702

Details

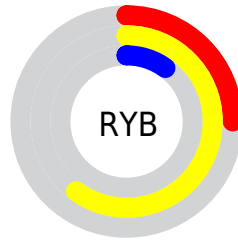
The Yxy color **21.0128, 0.4497, 0.4631** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.3442, 0.1736, 0.1223**, and the grayscale version is **19.2326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0880, 0.4249, 0.4389**, and **7.6288, 0.4646, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **20.0831, 0.4607, 0.4664**, and if you desaturate by 10%, it is **22.0142, 0.4359, 0.4552**.

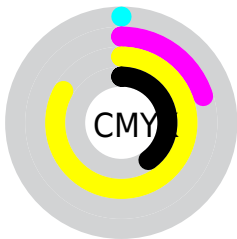
Distribution



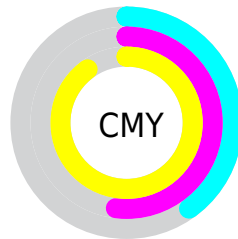
- Red (60%)
- Green (48%)
- Blue (10%)



- Red (25%)
- Yellow (60%)
- Blue (10%)



- Cyan (0%)
- Magenta (20%)
- Yellow (83%)
- Black (40%)




- Cyan (40%)
- Magenta (52%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0128, 0.4497, 0.4631 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 21.0128, 0.4497, 0.4631 by changing the saturation by 10% instead.


 21.0128, 0.4497,
0.4631


 21.0128, 0.4497,
0.4631


257.3465, 0.3787,
0.3947

 13.1334, 0.4649,
0.4770


 45.1088, 0.4248,
0.4396

 7.5204, 0.4853,
0.4954


 62.0942, 0.4150,
0.4302

 3.7897, 0.4968,
0.5032

 82.8837, 0.4066,
0.4221

 1.5566, 0.5000,
0.5000

 107.8617, 0.3994,
0.4150

 0.3281, 0.5259,
0.4741

 137.4126, 0.3932,
0.4089

 0.0000, 0.0000,
0.0000

 171.9207, 0.3877,

0.4036

211.7706, 0.3829,
0.3989

21.0128, 0.4497,
0.4631

21.0128, 0.4497,
0.4631

20.0831, 0.4607,
0.4664

22.0142, 0.4359,
0.4552

19.4645, 0.4674,
0.4670

23.0895, 0.4200,
0.4433

24.2445, 0.4026,
0.4281

25.4833, 0.3846,
0.4105

26.8095, 0.3666,
0.3917

■ 28.2266, 0.3491,
0.3723

■ 29.7377, 0.3325,
0.3531

■ 31.3458, 0.3171,
0.3344

■ 33.0537, 0.3030,
0.3168

Harmonies

Analogous

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



21.0128, 0.4962, 0.3978



21.0128, 0.4497, 0.4631



21.0128, 0.3712, 0.5054

Triad

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



21.0128, 0.4497, 0.4631



21.0128, 0.1637, 0.2875



21.0128, 0.3207, 0.2219

Complementary

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



21.0128, 0.4497, 0.4631



5.3442, 0.1736, 0.1223

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.



21.0128, 0.2342, 0.1944



21.0128, 0.4497, 0.4631



21.0128, 0.1555, 0.2206

Square

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



21.0128, 0.4497, 0.4631



21.0128, 0.2068, 0.3905



21.0128, 0.1788, 0.1923



21.0128, 0.4191, 0.2704

Rectangle

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



21.0128, 0.4497, 0.4631



21.0128, 0.3118, 0.5001



21.0128, 0.1788, 0.1923



21.0128, 0.2890, 0.2101

Sweetspot

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



21.0138, 0.4497, 0.4631



49.9132, 0.3534, 0.3771



7.8123, 0.5322, 0.2915



10.8404, 0.3589, 0.3833



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.0138, 0.4497, 0.4631



34.5674, 0.4686, 0.4662



26.9359, 0.3780, 0.5222



6.9756, 0.3266, 0.3459



16.1421, 0.4670, 0.4674



0.2951, 0.4423, 0.4870

Inverse Universe

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



5.3442, 0.1736, 0.1223



6.1482, 0.1571, 0.0854



3.9294, 0.1857, 0.0930



6.2513, 0.2988, 0.3115



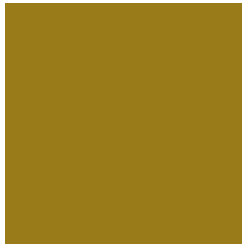
2.9946, 0.1582, 0.0894



0.0938, 0.1781, 0.1610

Previews

White Background



This preview shows how the Yxy color 21.0128, 0.4497, 0.4631 looks on a white background.

Color Contrast Check

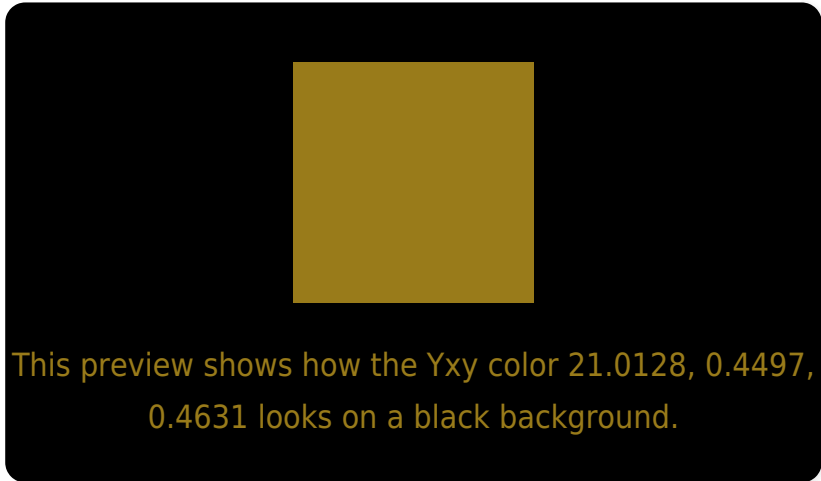
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0128, 0.4497, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 21.0128, 0.4497, 0.4631.



This preview shows how white text looks on a background with the Yxy color 21.0128, 0.4497, 0.4631.

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

21.0128, 0.4497, 0.4631

Protanopia

21.0975, 0.4314, 0.4761

Deuteranopia

20.9904, 0.4614, 0.4520



Tritanopia

21.0625, 0.3604, 0.3162

Trichromacy



Original Color

21.0128, 0.4497, 0.4631

Protanomaly

21.2039, 0.4377, 0.4713

Deuteranomaly

20.9220, 0.4569, 0.4565

Tritanomaly

20.8295, 0.4022, 0.3783

Monochromacy



Original Color

21.0128, 0.4497, 0.4631

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5775, 0.3699, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0128, 0.4497, 0.4631 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(153, 123, 26)` looks like.

```
.text, #text, p{  
    color:rgb(153, 123, 26)  
}
```

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(153, 123, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 123, 26) }
```

Border

The CSS property to change the border of an element to Yxy 21.0128, 0.4497, 0.4631 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(153, 123, 26) }
```

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

```
.border{ border-color:rgb(153, 123, 26) }
```

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

Here you see how a box with a 4 pixel rgb(153, 123, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 123, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 123, 26);  
box-shadow:4px 4px 4px 4px rgb(153, 123,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0128, 0.4497, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 123, 26) }
```

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

```
.background{ background-color: rgb(153,  
123, 26) }
```

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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