

Converting Colors

$Y_{xy}(22.0783, 0.4514, 0.4608)$

Have a look what the booklet for
Yxy(22.0783, 0.4514, 0.4608)
contains.

Yxy(22.0202, 0.4521, 0.4600)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.0202, 0.4521, 0.4600)$

Conversions

Conversions Part 1

Format	Color
Hex	9E7D1C
RGB	158, 125, 28
RGB Percent	62%, 49%, 11%
CMY	0.3804, 0.5098, 0.8902
CMYK	0.00, 0.21, 0.82, 0.38
HSL	45°, 70%, 36%
HSV	45°, 82%, 62%
XYZ	21.6420, 22.0202, 4.2078
YIQ	123.8090, 50.8050, -23.1710

Conversions

Conversions Part 2

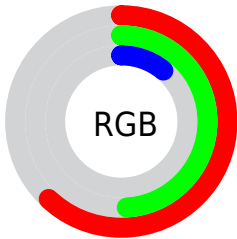
Format	Color
RYB	72, 158, 28
Decimal	10386716
CIELab	54.05, 3.39, 53.16
CIELCh	54, 53.263, 86.353
Yxy	22.0202, 0.4521, 0.4600
Android (android.graphics.Color)	4288576796 (0xFF9E7D1C)
YUV	123.8090, -47.2338, 29.9855
Hunter-Lab	46.9257, 0.2039, 27.5315

Details

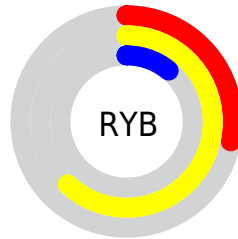
The Yxy color **22.0202, 0.4521, 0.4600** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0498, 0.1753, 0.1275**, and the grayscale version is **20.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6373, 0.4273, 0.4377**, and **8.1325, 0.4672, 0.4672** is the 20% darker color. If you saturate the color by 10%, you get **20.9699, 0.4640, 0.4632**, and if you desaturate by 10%, it is **23.1533, 0.4375, 0.4522**.

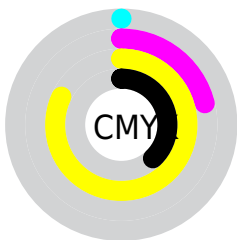
Distribution



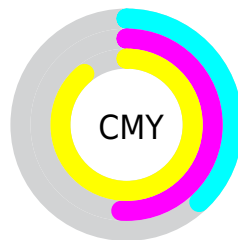
- Red (62%)
- Green (49%)
- Blue (11%)



- Red (28%)
- Yellow (62%)
- Blue (11%)



- Cyan (0%)
- Magenta (21%)
- Yellow (82%)
- Black (38%)




- Cyan (38%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0202, 0.4521, 0.4600 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 22.0202, 0.4521, 0.4600 by changing the saturation by 10% instead.


 22.0202, 0.4521,
0.4600


 22.0202, 0.4521,
0.4600


262.6517, 0.3801,
0.3941


 13.8717, 0.4676,
0.4731


 46.7794, 0.4269,
0.4376

 8.0315, 0.4872,
0.4892


 64.1589, 0.4170,
0.4285


 4.1151, 0.5019,
0.4981

 85.3842, 0.4085,
0.4207

 1.7382, 0.5067,
0.4933

 110.8397, 0.4012,
0.4139

 0.4482, 0.5316,
0.4684

 140.9099, 0.3948,
0.4079

 0.0000, 0.0000,
0.0000

 175.9790, 0.3893,

0.4027

216.4315, 0.3844,
0.3982

22.0202, 0.4521,
0.4600

22.0202, 0.4521,
0.4600

20.9699, 0.4640,
0.4632

23.1533, 0.4375,
0.4522

20.2028, 0.4719,
0.4635

24.3719, 0.4208,
0.4402

25.6822, 0.4027,
0.4251

27.0886, 0.3842,
0.4077

28.5953, 0.3658,
0.3891

■ 30.2059, 0.3481,
0.3701

■ 31.9240, 0.3315,
0.3512

■ 33.7529, 0.3161,
0.3330

■ 35.6957, 0.3019,
0.3158

Harmonies

Analogous

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



22.0202, 0.4963, 0.3947



22.0202, 0.4521, 0.4600



22.0202, 0.3749, 0.5038

Triad

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



22.0202, 0.4521, 0.4600



22.0202, 0.1654, 0.2916



22.0202, 0.3164, 0.2207

Complementary

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



22.0202, 0.4521, 0.4600



6.0498, 0.1753, 0.1275

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.



22.0202, 0.2315, 0.1942



22.0202, 0.4521, 0.4600



22.0202, 0.1558, 0.2232

Square

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



22.0202, 0.4521, 0.4600



22.0202, 0.2100, 0.3950



22.0202, 0.1777, 0.1934



22.0202, 0.4146, 0.2682

Rectangle

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



22.0202, 0.4521, 0.4600



22.0202, 0.3159, 0.5006



22.0202, 0.1777, 0.1934



22.0202, 0.2852, 0.2092

Sweetspot

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



22.0213, 0.4521, 0.4600



53.9033, 0.3537, 0.3762



8.4533, 0.5251, 0.2882



11.9339, 0.3596, 0.3825



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.



22.0213, 0.4521, 0.4600



36.5391, 0.4721, 0.4627



29.0960, 0.3803, 0.5198



7.4352, 0.3267, 0.3456



16.2482, 0.4713, 0.4640



0.3532, 0.4468, 0.4834

Inverse Universe

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



6.0498, 0.1753, 0.1275



7.1294, 0.1586, 0.0901



4.2079, 0.1844, 0.0929



6.6952, 0.2988, 0.3118



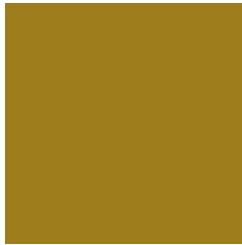
3.2527, 0.1591, 0.0927



0.1196, 0.1789, 0.1640

Previews

White Background



This preview shows how the Yxy color 22.0202, 0.4521, 0.4600 looks on a white background.

Color Contrast Check

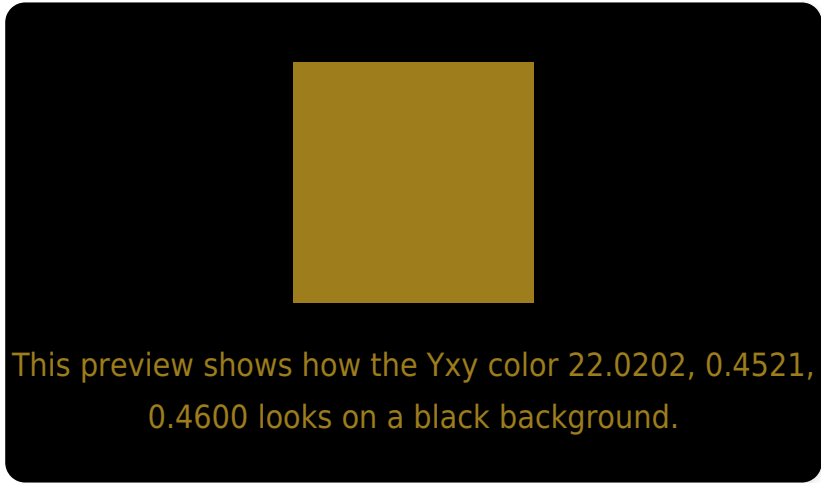
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0202, 0.4521, 0.4600

Background



This preview shows how black text looks on a background with the Yxy color 22.0202, 0.4521, 0.4600.



This preview shows how white text looks on a background with the Yxy color 22.0202, 0.4521, 0.4600.

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

22.0202, 0.4521, 0.4600

Protanopia

22.1650, 0.4304, 0.4756

Deuteranopia

22.0412, 0.4603, 0.4527



Tritanopia

21.8640, 0.3639, 0.3150

Trichromacy



Original Color

22.0202, 0.4521, 0.4600

Protanomaly

22.0111, 0.4379, 0.4697

Deuteranomaly

22.0811, 0.4565, 0.4556

Tritanomaly

21.6132, 0.4055, 0.3754

Monochromacy



Original Color

22.0202, 0.4521, 0.4600

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3708, 0.3692, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0202, 0.4521, 0.4600 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(158, 125, 28)` looks like.

```
.text, #text, p{  
    color:rgb(158, 125, 28)  
}
```

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(158, 125, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 125, 28) }
```

Border

The CSS property to change the border of an element to Yxy 22.0202, 0.4521, 0.4600 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(158, 125, 28) }
```

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

```
.border{ border-color:rgb(158, 125, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 125, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 125, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 125, 28);  
box-shadow:4px 4px 4px 4px rgb(158, 125,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0202, 0.4521, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 125, 28) }
```

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

```
.background{ background-color: rgb(158,  
125, 28) }
```

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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