

Converting Colors

$Y_{xy}(22.7485, 0.4469, 0.4808)$

Have a look what the booklet for
Yxy(22.7485, 0.4469, 0.4808)
contains.

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Color

Yxy(22.7485, 0.4469, 0.4808)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 998205 |
| RGB | 153, 130, 5 |
| RGB Percent | 60%, 51%, 2% |
| CMY | 0.4001, 0.4902, 0.9803 |
| CMYK | 0.00, 0.15, 0.97, 0.40 |
| HSL | 51°, 94%, 31% |
| HSV | 51°, 97%, 60% |
| XYZ | 21.1446, 22.7485, 3.4208 |
| YIQ | 122.6270, 53.8330, -33.9990 |

Conversions

Conversions Part 2

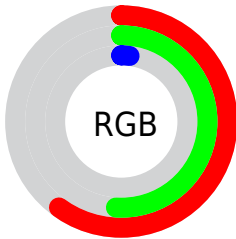
| Format | Color |
|-------------------------------------|--------------------------------|
| R_YB | 32, 153, 5 |
| Decimal | 10060293 |
| CIE Lab | 54.81, -2.26, 58.98 |
| CIE LCh | 55, 59.025, 92.196 |
| Yxy | 22.7485, 0.4469, 0.4808 |
| Android (android.graphics.Color) | 4288250373 (0xFF998205) |
| YUV | 122.6270, -57.9901, 26.6371 |
| Hunter-Lab | 47.6954, -4.3334, 29.1344 |

Details

The Yxy color **22.7485, 0.4469, 0.4808** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.1626, 0.1564, 0.0795**, and the grayscale version is **19.8606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1581, 0.4245, 0.4552**, and **8.4815, 0.4514, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **22.5313, 0.4491, 0.4816**, and if you desaturate by 10%, it is **23.4296, 0.4396, 0.4776**.

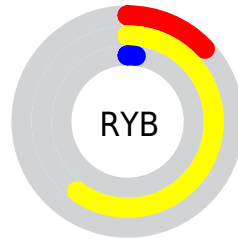
Distribution



Red (60%)

Green (51%)

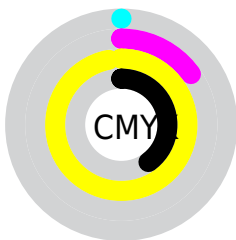
Blue (2%)



Red (13%)

Yellow (60%)

Blue (2%)

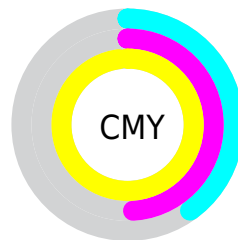


Cyan (0%)

Magenta (15%)

Yellow (97%)

Black (40%)



Cyan (40%)

Magenta (49%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7485, 0.4469, 0.4808 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 22.7485, 0.4469, 0.4808 by changing the saturation by 10% instead.


 22.7485, 0.4469,
0.4808


 22.7485, 0.4469,
0.4808


266.4306, 0.3807,
0.4045


 14.4079, 0.4591,
0.4957


 47.9800, 0.4250,
0.4550


 8.4049, 0.4774,
0.5181


 65.6398, 0.4159,
0.4445

 4.3551, 0.4776,
0.5224

 87.1747, 0.4080,
0.4354

 1.8741, 0.4744,
0.5256

 112.9691, 0.4010,
0.4275

 0.5328, 0.4585,
0.5415


 143.4076, 0.3950,
0.4206

 0.0000, 0.0000,
0.0000


 178.8744, 0.3896,


0.4145


 219.7539, 0.3849,
0.4092


 22.7485, 0.4469,
0.4808


 22.7485, 0.4469,
0.4808


 22.5313, 0.4491,
0.4816

 23.4296, 0.4396,
0.4776

 24.1570, 0.4297,
0.4702

 24.9391, 0.4174,
0.4586

 25.7804, 0.4030,
0.4434

 26.6850, 0.3872,
0.4253

■ 27.6565, 0.3708,
0.4054

■ 28.6981, 0.3542,
0.3844

■ 29.8129, 0.3380,
0.3633

■ 31.0037, 0.3226,
0.3425

Harmonies

Analogous

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



22.7485, 0.5056, 0.4106



22.7485, 0.4469, 0.4808



22.7485, 0.3590, 0.5234

Triad

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



22.7485, 0.4469, 0.4808



22.7485, 0.1494, 0.2687



22.7485, 0.3369, 0.2207

Complementary

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



22.7485, 0.4469, 0.4808



3.1626, 0.1564, 0.0795

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.



22.7485, 0.2397, 0.1879



22.7485, 0.4469, 0.4808



22.7485, 0.1466, 0.2047

Square

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



22.7485, 0.4469, 0.4808



22.7485, 0.1884, 0.3774



22.7485, 0.1759, 0.1810



22.7485, 0.4431, 0.2744

Rectangle

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



22.7485, 0.4469, 0.4808



22.7485, 0.2953, 0.5109



22.7485, 0.1759, 0.1810



22.7485, 0.3016, 0.2071

Sweetspot

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



22.7496, 0.4469, 0.4808



50.8606, 0.3589, 0.3905



6.9720, 0.6034, 0.3135



11.0691, 0.3654, 0.3987



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.



22.7496, 0.4469, 0.4808



40.1399, 0.4498, 0.4811



25.7108, 0.3635, 0.5470



7.0595, 0.3264, 0.3477



18.6658, 0.4489, 0.4818



0.3178, 0.4340, 0.4936

Inverse Universe

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



3.1626, 0.1564, 0.0795



5.0928, 0.1535, 0.0725



3.2026, 0.1795, 0.0783



6.1736, 0.2988, 0.3096



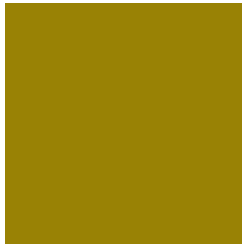
2.4662, 0.1543, 0.0756



0.0714, 0.1697, 0.1309

Previews

White Background



This preview shows how the Yxy color 22.7485, 0.4469, 0.4808 looks on a white background.

Color Contrast Check

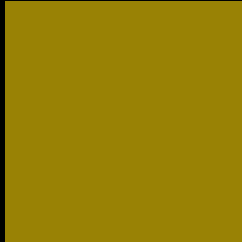
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7485, 0.4469, 0.4808 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 22.7485, 0.4469, 0.4808

Background



This preview shows how black text looks on a background with the Yxy color 22.7485, 0.4469, 0.4808.

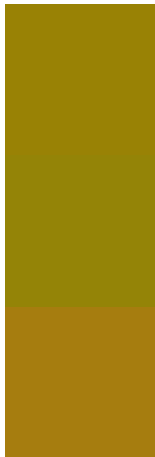


This preview shows how white text looks on a background with the Yxy color 22.7485, 0.4469, 0.4808.

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

22.7485, 0.4469, 0.4808

Protanopia

22.8138, 0.4377, 0.4871

Deuteranopia

22.8087, 0.4668, 0.4600



Tritanopia

22.7600, 0.3508, 0.3148

Trichromacy



Original Color

22.7485, 0.4469, 0.4808

Protanomaly

22.7298, 0.4417, 0.4844

Deuteranomaly

22.7800, 0.4592, 0.4681

Tritanomaly

22.2393, 0.4014, 0.3924

Monochromacy



Original Color

22.7485, 0.4469, 0.4808

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.5692, 0.3757, 0.4124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7485, 0.4469, 0.4808 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, 130, 5)` looks like.

```
.text, #text, p{  
    color:rgb(153, 130, 5)  
}
```

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, 130, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 130, 5) }
```

Border

The CSS property to change the border of an element to Yxy 22.7485, 0.4469, 0.4808 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, 130, 5) }
```

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

```
.border{ border-color:rgb(153, 130, 5) }
```

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

Here you see how a box with a 4 pixel rgb(153, 130, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 130, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 130, 5);  
box-shadow:4px 4px 4px 4px rgb(153, 130,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7485, 0.4469, 0.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 130, 5) }
```

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

```
.background{ background-color: rgb(153,  
130, 5) }
```

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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