

Converting Colors

$Y_{xy}(22.7003, 0.4517, 0.4796)$

Have a look what the booklet for
Yxy(22.7003, 0.4517, 0.4796)
contains.

Yxy(22.6691, 0.4519, 0.4794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6691, 0.4519, 0.4794)

Conversions

Conversions Part 1

Format	Color
Hex	9B8100
RGB	155, 129, 0
RGB Percent	61%, 51%, 0%
CMY	0.3921, 0.4941, 1.0000
CMYK	0.00, 0.17, 1.00, 0.39
HSL	50°, 100%, 30%
HSV	50°, 100%, 61%
XYZ	21.3687, 22.6691, 3.2486
YIQ	122.0680, 56.9050, -34.6070

Conversions

Conversions Part 2

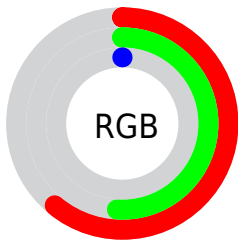
Format	Color
R_{YB}	31, 155, 0
Decimal	10191104
CIE Lab	54.73, -0.84, 59.92
CIE LCh	55, 59.923, 90.803
Yxy	22.6691, 0.4519, 0.4794
Android (android.graphics.Color)	4288381184 (0xFF9B8100)
YUV	122.0680, -60.1795, 28.8814
Hunter-Lab	47.6121, -3.2088, 29.2831

Details

The Yxy color **22.6691, 0.4519, 0.4794** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.1058, 0.1546, 0.0764**, and the grayscale version is **19.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5991, 0.4296, 0.4546**, and **8.3900, 0.4553, 0.4767** is the 20% darker color. If you saturate the color by 10%, you get **22.6702, 0.4519, 0.4794**, and if you desaturate by 10%, it is **23.4000, 0.4446, 0.4771**.

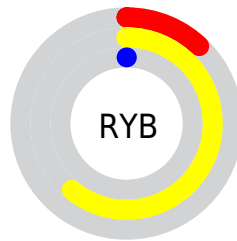
Distribution



Red (61%)

Green (51%)

Blue (0%)



Red (12%)

Yellow (61%)

Blue (0%)

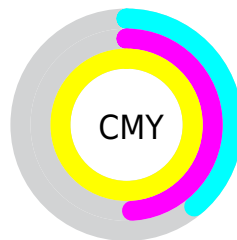


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6691, 0.4519, 0.4794 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 22.6691, 0.4519, 0.4794 by changing the saturation by 10% instead.


 22.6691, 0.4519,
0.4794


 22.6691, 0.4519,
0.4794


266.0208, 0.3832,
0.4046


 14.3494, 0.4645,
0.4934


 47.8494, 0.4292,
0.4545


 8.3641, 0.4844,
0.5156


 65.4788, 0.4198,
0.4443


 4.3288, 0.4837,
0.5163

 86.9802, 0.4116,
0.4353

 1.8591, 0.4825,
0.5175

 112.7379, 0.4044,
0.4275


 0.5236, 0.4768,
0.5232


 143.1365, 0.3981,
0.4207

 0.0000, 0.0000,
0.0000


 178.5602, 0.3925,

0.4147


 219.3935, 0.3876,
0.4094


 22.6691, 0.4519,
0.4794


 22.6691, 0.4519,
0.4794


 22.6702, 0.4519,
0.4794

 23.4000, 0.4446,
0.4771

 24.1745, 0.4352,
0.4714

 25.0059, 0.4232,
0.4614

 25.8994, 0.4091,
0.4474

 26.8594, 0.3933,
0.4303

■ 27.8898, 0.3768,
0.4111

■ 28.9940, 0.3599,
0.3906

■ 30.1752, 0.3434,
0.3697

■ 31.4366, 0.3276,
0.3490

Harmonies

Analogous

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



22.6691, 0.5098, 0.4076



22.6691, 0.4519, 0.4794



22.6691, 0.3636, 0.5259

Triad

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



22.6691, 0.4519, 0.4794



22.6691, 0.1483, 0.2717



22.6691, 0.3321, 0.2173

Complementary

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



22.6691, 0.4519, 0.4794



3.1058, 0.1546, 0.0764

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.



22.6691, 0.2348, 0.1852



22.6691, 0.4519, 0.4794



22.6691, 0.1440, 0.2049

Square

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



22.6691, 0.4519, 0.4794



22.6691, 0.1893, 0.3840



22.6691, 0.1721, 0.1795



22.6691, 0.4407, 0.2707

Rectangle

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



22.6691, 0.4519, 0.4794



22.6691, 0.2991, 0.5166



22.6691, 0.1721, 0.1795



22.6691, 0.2965, 0.2039

Sweetspot

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



22.6702, 0.4519, 0.4794



51.8010, 0.3609, 0.3918



7.0551, 0.6090, 0.3128



11.5462, 0.3675, 0.3999



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.6702, 0.4519, 0.4794



40.3576, 0.4526, 0.4788



26.5042, 0.3652, 0.5482



7.0465, 0.3264, 0.3474



18.2549, 0.4516, 0.4796



0.3142, 0.4352, 0.4926

Inverse Universe

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



3.1058, 0.1546, 0.0764



5.3707, 0.1539, 0.0741



3.0219, 0.1735, 0.0729



6.1855, 0.2988, 0.3099



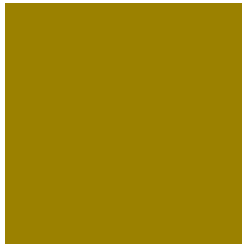
2.5348, 0.1549, 0.0774



0.0749, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 22.6691, 0.4519, 0.4794 looks on a white background.

Color Contrast Check

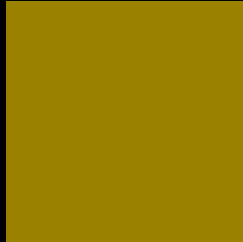
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6691, 0.4519, 0.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

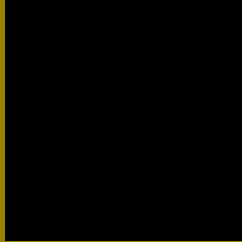
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6691, 0.4519, 0.4794

Background



This preview shows how black text looks on a background with the Yxy color 22.6691, 0.4519, 0.4794.

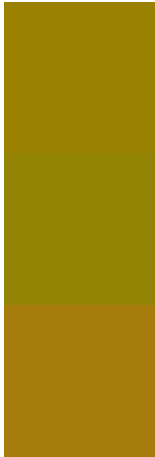


This preview shows how white text looks on a background with the Yxy color 22.6691, 0.4519, 0.4794.

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

22.6691, 0.4519, 0.4794

Protanopia

22.8116, 0.4379, 0.4874

Deuteranopia

22.5514, 0.4688, 0.4595



Tritanopia

22.6993, 0.3549, 0.3149

Trichromacy



Original Color

22.6691, 0.4519, 0.4794

Protanomaly

22.8207, 0.4434, 0.4841

Deuteranomaly

22.6206, 0.4625, 0.4670

Tritanomaly

22.1460, 0.4083, 0.3948

Monochromacy



Original Color

22.6691, 0.4519, 0.4794

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.2856, 0.3786, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6691, 0.4519, 0.4794 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(155, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 129, 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(155, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6691, 0.4519, 0.4794 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(155, 129, 0) }
```

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

```
.border{ border-color:rgb(155, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6691, 0.4519, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 129, 0) }
```

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

```
.background{ background-color: rgb(155,  
129, 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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