

Converting Colors

$Yxy(23.0074, 0.4554, 0.4766)$

Have a look what the booklet for
Yxy(23.0074, 0.4554, 0.4766)
contains.

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Color

Yxy(22.9696, 0.4554, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	9E8100
RGB	158, 129, 0
RGB Percent	62%, 51%, 0%
CMY	0.3805, 0.4941, 0.9999
CMYK	0.00, 0.18, 1.00, 0.38
HSL	49°, 100%, 31%
HSV	49°, 100%, 62%
XYZ	21.9479, 22.9696, 3.2772
YIQ	122.9650, 58.6930, -33.9710

Conversions

Conversions Part 2

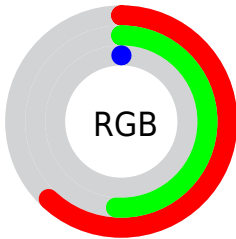
Format	Color
R _Y B	36, 158, 0
Decimal	10387712
CIE Lab	55.04, 0.54, 60.27
CIE LCh	55, 60.274, 89.486
Yxy	22.9696, 0.4554, 0.4766
Android (android.graphics.Color)	4288577792 (0xFF9E8100)
YUV	122.9650, -60.6217, 30.7257
Hunter-Lab	47.9266, -2.1279, 29.4944

Details

The Yxy color **22.9696, 0.4554, 0.4766** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.3464, 0.1552, 0.0786**, and the grayscale version is **19.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2168, 0.4327, 0.4517**, and **8.5621, 0.4606, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **22.9695, 0.4554, 0.4766**, and if you desaturate by 10%, it is **23.7818, 0.4476, 0.4747**.

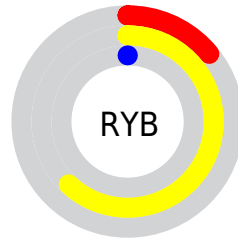
Distribution



Red (62%)

Green (51%)

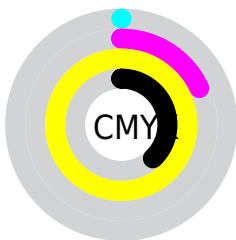
Blue (0%)



Red (14%)

Yellow (62%)

Blue (0%)

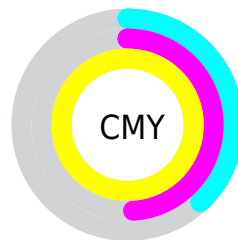


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9696, 0.4554, 0.4766 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 22.9696, 0.4554, 0.4766 by changing the saturation by 10% instead.


 22.9696, 0.4554,
0.4766


 22.9696, 0.4554,
0.4766


267.5688, 0.3849,
0.4040


 14.5711, 0.4685,
0.4899


 48.3434, 0.4321,
0.4527


 8.5189, 0.4888,
0.5105


 66.0875, 0.4224,
0.4427


 4.4287, 0.4896,
0.5104

 87.7155, 0.4139,
0.4340

 1.9162, 0.4903,
0.5097

 113.6119, 0.4066,
0.4264


 0.5581, 0.4935,
0.5065


 144.1610, 0.4001,
0.4197

 0.0000, 0.0000,
0.0000


 179.7473, 0.3944,

0.4139


 220.7551, 0.3894,
0.4086


 22.9696, 0.4554,
0.4766

 22.9696, 0.4554,
0.4766


 22.9695, 0.4554,
0.4766

 23.7818, 0.4476,
0.4747

 24.6432, 0.4377,
0.4692

 25.5676, 0.4252,
0.4594

 26.5604, 0.4105,
0.4457

 27.6264, 0.3943,
0.4288

■ 28.7695, 0.3774,
0.4098

■ 29.9935, 0.3603,
0.3896

■ 31.3018, 0.3436,
0.3690

■ 32.6975, 0.3276,
0.3486

Harmonies

Analogous

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



22.9696, 0.5115, 0.4044



22.9696, 0.4554, 0.4766



22.9696, 0.3678, 0.5253

Triad

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



22.9696, 0.4554, 0.4766



22.9696, 0.1491, 0.2756



22.9696, 0.3273, 0.2152

Complementary

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



22.9696, 0.4554, 0.4766



3.3464, 0.1552, 0.0786

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.



22.9696, 0.2311, 0.1843



22.9696, 0.4554, 0.4766



22.9696, 0.1433, 0.2068

Square

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



22.9696, 0.4554, 0.4766



22.9696, 0.1918, 0.3896



22.9696, 0.1700, 0.1798



22.9696, 0.4365, 0.2679

Rectangle

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



22.9696, 0.4554, 0.4766



22.9696, 0.3032, 0.5189



22.9696, 0.1700, 0.1798



22.9696, 0.2920, 0.2022

Sweetspot

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



22.9707, 0.4554, 0.4766



54.3460, 0.3613, 0.3908



7.3697, 0.6049, 0.3106



12.0498, 0.3681, 0.3989



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.



22.9707, 0.4554, 0.4766



41.4545, 0.4562, 0.4760



27.7997, 0.3679, 0.5461



7.5134, 0.3265, 0.3471



18.4542, 0.4551, 0.4769



0.3792, 0.4386, 0.4899

Inverse Universe

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



3.3464, 0.1552, 0.0786



5.8615, 0.1545, 0.0761



3.0826, 0.1712, 0.0717



6.6223, 0.2988, 0.3102



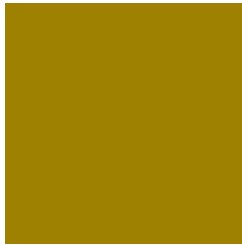
2.7242, 0.1555, 0.0797



0.0963, 0.1721, 0.1394

Previews

White Background



This preview shows how the Yxy color 22.9696, 0.4554, 0.4766 looks on a white background.

Color Contrast Check

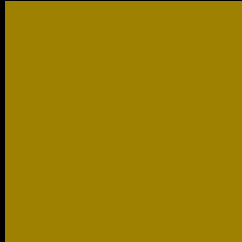
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9696, 0.4554, 0.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

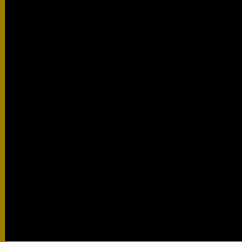
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9696, 0.4554, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 22.9696, 0.4554, 0.4766.



This preview shows how white text looks on a background with the Yxy color 22.9696, 0.4554, 0.4766.

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

22.9696, 0.4554, 0.4766

Protanopia

22.9052, 0.4392, 0.4864

Deuteranopia

22.9093, 0.4687, 0.4602



Tritanopia

23.0173, 0.3586, 0.3151

Trichromacy



Original Color

22.9696, 0.4554, 0.4766

Protanomaly

22.9168, 0.4446, 0.4832

Deuteranomaly

22.8318, 0.4648, 0.4652

Tritanomaly

22.4565, 0.4121, 0.3937

Monochromacy



Original Color

22.9696, 0.4554, 0.4766

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4515, 0.3812, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9696, 0.4554, 0.4766 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9696, 0.4554, 0.4766 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, 129, 0) }
```

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

```
.border{ border-color:rgb(158, 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(158, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9696, 0.4554, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 129, 0) }
```

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

```
.background{ background-color: rgb(158,  
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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