

Converting Colors

$Y_{xy}(22.1570, 0.4862, 0.5138)$

Have a look what the booklet for
Yxy(22.1570, 0.4862, 0.5138)
contains.

Yxy(22.3468, 0.4571, 0.4752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3468, 0.4571, 0.4752)

Conversions

Conversions Part 1

Format	Color
Hex	9D7F00
RGB	157, 127, 0
RGB Percent	62%, 50%, 0%
CMY	0.3843, 0.5020, 0.9995
CMYK	0.00, 0.19, 1.00, 0.38
HSL	49°, 100%, 31%
HSV	49°, 100%, 62%
XYZ	21.4956, 22.3468, 3.1837
YIQ	121.4920, 58.6470, -33.1370

Conversions

Conversions Part 2

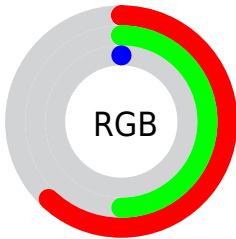
Format	Color
R_{YB}	37, 157, 0
Decimal	10321664
CIE _{Lab}	54.39, 1.21, 59.75
CIE _{LCh}	54, 59.765, 88.837
Yxy	22.3468, 0.4571, 0.4752
Android (android.graphics.Color)	4288511744 (0xFF9D7F00)
YUV	121.4920, -59.8956, 31.1405
Hunter-Lab	47.2724, -1.5595, 29.0977

Details

The Yxy color **22.3468, 0.4571, 0.4752** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **3.3704, 0.1556, 0.0800**, and the grayscale version is **19.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2444, 0.4340, 0.4511**, and **8.2155, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **22.3416, 0.4572, 0.4752**, and if you desaturate by 10%, it is **23.1718, 0.4491, 0.4734**.

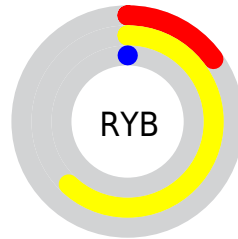
Distribution



Red (62%)

Green (50%)

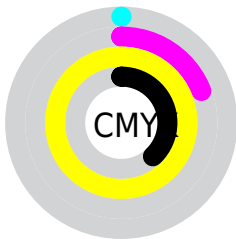
Blue (0%)



Red (15%)

Yellow (62%)

Blue (0%)

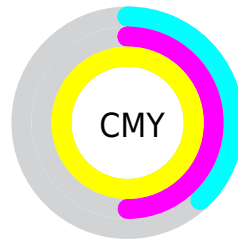


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3468, 0.4571, 0.4752 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 22.3468, 0.4571, 0.4752 by changing the saturation by 10% instead.


 22.3468, 0.4571,
0.4752


 22.3468, 0.4571,
0.4752


264.3520, 0.3853,
0.4032


 14.1119, 0.4706,
0.4883


 47.3185, 0.4332,
0.4515


 8.1986, 0.4915,
0.5085


 64.8242, 0.4233,
0.4417


 4.2223, 0.4925,
0.5075

 86.1889, 0.4147,
0.4330

 1.7987, 0.4942,
0.5058

 111.7970, 0.4072,
0.4255


 0.4863, 0.5028,
0.4972


 142.0330, 0.4007,
0.4188


 0.0000, 0.0000,
0.0000


 177.2813, 0.3949,


0.4130

 217.9261, 0.3898,
0.4078


 22.3468, 0.4571,
0.4752


 22.3468, 0.4571,
0.4752


 22.3416, 0.4572,
0.4752

 23.1718, 0.4491,
0.4734

 24.0473, 0.4388,
0.4680

 24.9868, 0.4260,
0.4582

 25.9957, 0.4110,
0.4446

 27.0785, 0.3947,
0.4278

■ 28.2393, 0.3775,
0.4090

■ 29.4818, 0.3603,
0.3889

■ 30.8093, 0.3435,
0.3685

■ 32.2250, 0.3276,
0.3483

Harmonies

Analogous

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



22.3468, 0.5122, 0.4028



22.3468, 0.4571, 0.4752



22.3468, 0.3699, 0.5250

Triad

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



22.3468, 0.4571, 0.4752



22.3468, 0.1495, 0.2776



22.3468, 0.3249, 0.2142

Complementary

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



22.3468, 0.4571, 0.4752



3.3704, 0.1556, 0.0800

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.



22.3468, 0.2294, 0.1838



22.3468, 0.4571, 0.4752



22.3468, 0.1430, 0.2077

Square

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



22.3468, 0.4571, 0.4752



22.3468, 0.1931, 0.3923



22.3468, 0.1690, 0.1799



22.3468, 0.4344, 0.2666

Rectangle

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



22.3468, 0.4571, 0.4752



22.3468, 0.3053, 0.5199



22.3468, 0.1690, 0.1799



22.3468, 0.2897, 0.2013

Sweetspot

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



22.3479, 0.4571, 0.4752



52.6432, 0.3614, 0.3902



7.2731, 0.6046, 0.3105



11.3899, 0.3681, 0.3981



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.



22.3479, 0.4571, 0.4752



39.7409, 0.4580, 0.4746



27.4280, 0.3679, 0.5460



7.5046, 0.3265, 0.3470



18.1946, 0.4568, 0.4755



0.3762, 0.4395, 0.4892

Inverse Universe

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



3.3704, 0.1556, 0.0800



5.8119, 0.1549, 0.0774



3.0460, 0.1713, 0.0718



6.6305, 0.2988, 0.3104



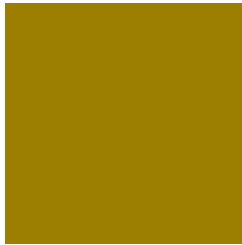
2.7754, 0.1558, 0.0810



0.0989, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 22.3468, 0.4571, 0.4752 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 22.3468, 0.4571, 0.4752 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 22.3468, 0.4571, 0.4752

Background



This preview shows how black text looks on a background with the Yxy color 22.3468, 0.4571, 0.4752.

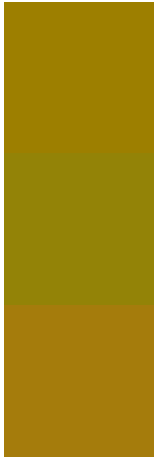


This preview shows how white text looks on a background with the Yxy color 22.3468, 0.4571, 0.4752.

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

22.3468, 0.4571, 0.4752

Protanopia

22.4510, 0.4378, 0.4869

Deuteranopia

22.4412, 0.4679, 0.4607



Tritanopia

22.3817, 0.3606, 0.3150

Trichromacy



Original Color

22.3468, 0.4571, 0.4752

Protanomaly

22.5533, 0.4447, 0.4830

Deuteranomaly

22.3661, 0.4640, 0.4658

Tritanomaly

21.8459, 0.4136, 0.3925

Monochromacy



Original Color

22.3468, 0.4571, 0.4752

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.1163, 0.3806, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3468, 0.4571, 0.4752 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(157, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 127, 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(157, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.3468, 0.4571, 0.4752 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(157, 127, 0) }
```

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

```
.border{ border-color:rgb(157, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3468, 0.4571, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 127, 0) }
```

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

```
.background{ background-color: rgb(157,  
127, 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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