

Converting Colors

$Y_{xy}(21.0266, 0.4668, 0.4675)$

Have a look what the booklet for
Yxy(21.0266, 0.4668, 0.4675)
contains.

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Color

Yxy(20.9438, 0.4671, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	9E7900
RGB	158, 121, 0
RGB Percent	62%, 47%, 0%
CMY	0.3805, 0.5254, 0.9998
CMYK	0.00, 0.23, 1.00, 0.38
HSL	46°, 100%, 31%
HSV	46°, 100%, 62%
XYZ	20.9348, 20.9438, 2.9401
YIQ	118.2690, 60.8930, -29.7870

Conversions

Conversions Part 2

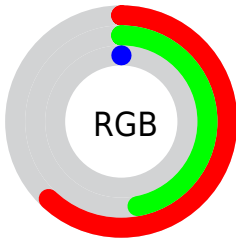
Format	Color
R_{YB}	48, 158, 0
Decimal	10385664
CIE _{Lab}	52.89, 5.03, 58.77
CIE _{LCh}	53, 58.985, 85.110
Yxy	20.9438, 0.4671, 0.4673
Android (android.graphics.Color)	4288575744 (0xFF9E7900)
YUV	118.2690, -58.3066, 34.8441
Hunter-Lab	45.7644, 1.5668, 28.2260

Details

The Yxy color **20.9438, 0.4671, 0.4673** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7915, 0.1577, 0.0875**, and the grayscale version is **18.3795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0322, 0.4407, 0.4455**, and **7.5899, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **20.9424, 0.4671, 0.4673**, and if you desaturate by 10%, it is **21.8978, 0.4575, 0.4663**.

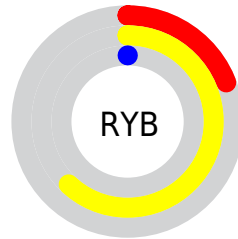
Distribution



Red (62%)

Green (47%)

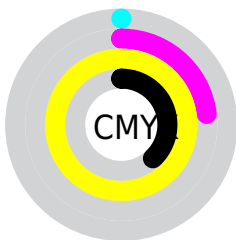
Blue (0%)



Red (19%)

Yellow (62%)

Blue (0%)

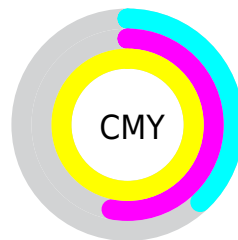


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9438, 0.4671, 0.4673 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 20.9438, 0.4671, 0.4673 by changing the saturation by 10% instead.


 20.9438, 0.4671,
0.4673


 20.9438, 0.4671,
0.4673


256.9797, 0.3887,
0.4001


 13.0829, 0.4825,
0.4786


 44.9940, 0.4405,
0.4457

 7.4857, 0.5050,
0.4950


 61.9521, 0.4297,
0.4365


 3.7677, 0.5095,
0.4905

 82.7114, 0.4204,
0.4284

 1.5445, 0.5170,
0.4830

 107.6563, 0.4123,
0.4213

 0.3197, 0.5716,
0.4284


 137.1712, 0.4052,
0.4150


 0.0000, 0.0000,
0.0000


 171.6404, 0.3990,


0.4094


 211.4485, 0.3936,
0.4045

 20.9438, 0.4671,
0.4673


 20.9438, 0.4671,
0.4673


 20.9424, 0.4671,
0.4673

 21.8978, 0.4575,
0.4663

 22.9141, 0.4457,
0.4616

 24.0067, 0.4313,
0.4525

 25.1811, 0.4149,
0.4395

 26.4421, 0.3973,
0.4234

■ 27.7941, 0.3792,
0.4053

■ 29.2410, 0.3613,
0.3861

■ 30.7863, 0.3440,
0.3666

■ 32.4333, 0.3278,
0.3474

Harmonies

Analogous

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



20.9438, 0.5169, 0.3938



20.9438, 0.4671, 0.4673



20.9438, 0.3818, 0.5232

Triad

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



20.9438, 0.4671, 0.4673



20.9438, 0.1517, 0.2893



20.9438, 0.3114, 0.2083

Complementary

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



20.9438, 0.4671, 0.4673



3.7915, 0.1577, 0.0875

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.



20.9438, 0.2192, 0.1809



20.9438, 0.4671, 0.4673



20.9438, 0.1409, 0.2129

Square

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



20.9438, 0.4671, 0.4673



20.9438, 0.2004, 0.4087



20.9438, 0.1630, 0.1805



20.9438, 0.4225, 0.2586

Rectangle

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



20.9438, 0.4671, 0.4673



20.9438, 0.3171, 0.5259



20.9438, 0.1630, 0.1805



20.9438, 0.2770, 0.1964

Sweetspot

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



20.9448, 0.4671, 0.4673



52.9523, 0.3624, 0.3873



7.4177, 0.5901, 0.3025



11.6988, 0.3694, 0.3950



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.



20.9448, 0.4671, 0.4673



37.7254, 0.4682, 0.4664



28.3323, 0.3763, 0.5394



7.4570, 0.3266, 0.3460



16.8400, 0.4666, 0.4677



0.3603, 0.4445, 0.4853

Inverse Universe

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



3.7915, 0.1577, 0.0875



6.6250, 0.1569, 0.0846



2.9104, 0.1655, 0.0685



6.6748, 0.2988, 0.3114



3.0884, 0.1580, 0.0887



0.1131, 0.1771, 0.1574

Previews

White Background



This preview shows how the Yxy color 20.9438, 0.4671, 0.4673 looks on a white background.

Color Contrast Check

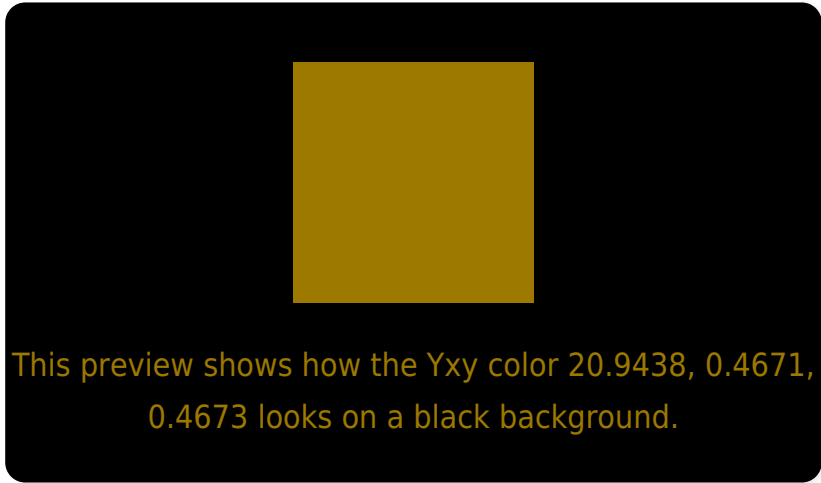
Large Text (above 18pt) WCAG AA ✓ Pass

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

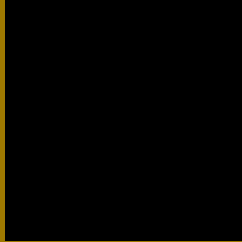
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9438, 0.4671, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 20.9438, 0.4671, 0.4673.



This preview shows how white text looks on a background with the Yxy color 20.9438, 0.4671, 0.4673.

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

20.9438, 0.4671, 0.4673

Protanopia

21.0359, 0.4380, 0.4860

Deuteranopia

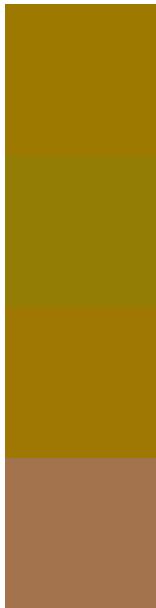
20.9197, 0.4695, 0.4622



Tritanopia

20.8613, 0.3707, 0.3149

Trichromacy



Original Color

20.9438, 0.4671, 0.4673

Protanomaly

20.9741, 0.4478, 0.4799

Deuteranomaly

20.8126, 0.4688, 0.4638

Tritanomaly

20.4787, 0.4249, 0.3890

Monochromacy



Original Color

20.9438, 0.4671, 0.4673

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6882, 0.3849, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9438, 0.4671, 0.4673 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, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 121, 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, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9438, 0.4671, 0.4673 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, 121, 0) }
```

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

```
.border{ border-color:rgb(158, 121, 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, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9438, 0.4671, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 121, 0) }
```

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

```
.background{ background-color: rgb(158,  
121, 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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