

Converting Colors

$Y_{xy}(20.7497, 0.4908, 0.5092)$

Have a look what the booklet for
Yxy(20.7497, 0.4908, 0.5092)
contains.

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Color

Yxy(20.8876, 0.4621, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	9B7A00
RGB	155, 122, 0
RGB Percent	61%, 48%, 0%
CMY	0.3921, 0.5216, 1.0000
CMYK	0.00, 0.21, 1.00, 0.39
HSL	47°, 100%, 30%
HSV	47°, 100%, 61%
XYZ	20.4799, 20.8876, 2.9517
YIQ	117.9590, 58.8300, -30.9460

Conversions

Conversions Part 2

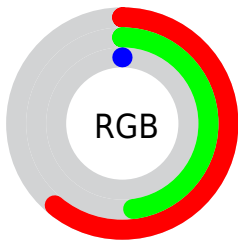
Format	Color
R_{YB}	42, 155, 0
Decimal	10189312
CIE Lab	52.83, 3.09, 58.59
CIE LCh	53, 58.667, 86.981
Yxy	20.8876, 0.4621, 0.4713
Android (android.graphics.Color)	4288379392 (0xFF9B7A00)
YUV	117.9590, -58.1538, 32.4850
Hunter-Lab	45.7030, 0.0071, 28.1629

Details

The Yxy color **20.8876, 0.4621, 0.4713** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.4562, 0.1566, 0.0838**, and the grayscale version is **18.2761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9616, 0.4370, 0.4481**, and **7.5502, 0.4687, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **20.8887, 0.4621, 0.4713**, and if you desaturate by 10%, it is **21.7494, 0.4532, 0.4698**.

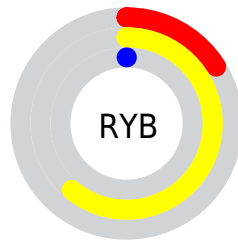
Distribution



Red (61%)

Green (48%)

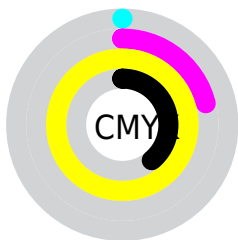
Blue (0%)



Red (16%)

Yellow (61%)

Blue (0%)

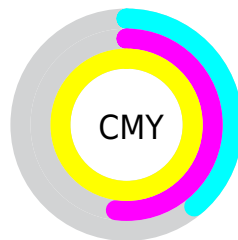


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8876, 0.4621, 0.4713 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 20.8876, 0.4621, 0.4713 by changing the saturation by 10% instead.


 20.8876, 0.4621,
0.4713


 20.8876, 0.4621,
0.4713


256.6805, 0.3866,
0.4012


 13.0419, 0.4767,
0.4836


 44.9004, 0.4366,
0.4484

 7.4574, 0.4982,
0.5018


 61.8362, 0.4262,
0.4388

 3.7498, 0.5010,
0.4990

 82.5709, 0.4172,
0.4304


 1.5346, 0.5057,
0.4943

 107.4888, 0.4094,
0.4230


 0.3129, 0.5437,
0.4563


 136.9743, 0.4025,
0.4165

 0.0000, 0.0000,
0.0000

 171.4119, 0.3965,


0.4108

 211.1858, 0.3912,
0.4057

 20.8876, 0.4621,
0.4713


 20.8876, 0.4621,
0.4713

 20.8887, 0.4621,
0.4713

 21.7494, 0.4532,
0.4698

 22.6650, 0.4422,
0.4648

 23.6481, 0.4286,
0.4553

 24.7038, 0.4130,
0.4419

 25.8366, 0.3960,
0.4256

■ 27.0506, 0.3784,
0.4071

■ 28.3494, 0.3608,
0.3875

■ 29.7364, 0.3438,
0.3676

■ 31.2146, 0.3277,
0.3479

Harmonies

Analogous

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



20.8876, 0.5146, 0.3983



20.8876, 0.4621, 0.4713



20.8876, 0.3758, 0.5242

Triad

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



20.8876, 0.4621, 0.4713



20.8876, 0.1505, 0.2833



20.8876, 0.3182, 0.2113

Complementary

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



20.8876, 0.4621, 0.4713



3.4562, 0.1566, 0.0838

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.



20.8876, 0.2242, 0.1823



20.8876, 0.4621, 0.4713



20.8876, 0.1419, 0.2102

Square

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



20.8876, 0.4621, 0.4713



20.8876, 0.1967, 0.4004



20.8876, 0.1660, 0.1802



20.8876, 0.4286, 0.2626

Rectangle

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



20.8876, 0.4621, 0.4713



20.8876, 0.3112, 0.5231



20.8876, 0.1660, 0.1802



20.8876, 0.2834, 0.1988

Sweetspot

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



20.8887, 0.4621, 0.4713



50.6164, 0.3618, 0.3887



7.0836, 0.5999, 0.3079



11.2467, 0.3687, 0.3964



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.



20.8887, 0.4621, 0.4713



37.1169, 0.4631, 0.4705



26.8350, 0.3707, 0.5438



6.9995, 0.3265, 0.3464



16.8297, 0.4617, 0.4716



0.3015, 0.4399, 0.4889

Inverse Universe

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



3.4562, 0.1566, 0.0838



5.9598, 0.1559, 0.0811



2.9010, 0.1693, 0.0706



6.2291, 0.2988, 0.3110



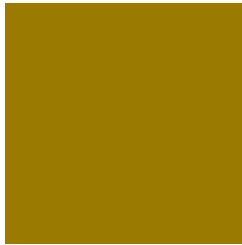
2.8232, 0.1570, 0.0850



0.0874, 0.1758, 0.1528

Previews

White Background



This preview shows how the Yxy color 20.8876, 0.4621, 0.4713 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 20.8876, 0.4621, 0.4713 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 20.8876, 0.4621, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 20.8876, 0.4621, 0.4713.



This preview shows how white text looks on a background with the Yxy color 20.8876, 0.4621, 0.4713.

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

20.8876, 0.4621, 0.4713

Protanopia

21.0337, 0.4383, 0.4863

Deuteranopia

20.9262, 0.4687, 0.4613



Tritanopia

20.7925, 0.3650, 0.3147

Trichromacy



Original Color

20.8876, 0.4621, 0.4713

Protanomaly

20.8790, 0.4468, 0.4812

Deuteranomaly

20.9570, 0.4656, 0.4653

Tritanomaly

20.4118, 0.4189, 0.3901

Monochromacy



Original Color

20.8876, 0.4621, 0.4713

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.5269, 0.3822, 0.4110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8876, 0.4621, 0.4713 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 122, 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, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8876, 0.4621, 0.4713 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, 122, 0) }
```

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

```
.border{ border-color:rgb(155, 122, 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, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8876, 0.4621, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 122, 0) }
```

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

```
.background{ background-color: rgb(155,  
122, 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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