

Converting Colors

$Y_{xy}(20.9301, 0.4835, 0.4543)$

Have a look what the booklet for
Yxy(20.9301, 0.4835, 0.4543)
contains.

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Color

Yxy(20.9381, 0.4837, 0.4542)

Conversions

Conversions Part 1

Format	Color
Hex	A77500
RGB	167, 117, 0
RGB Percent	65%, 46%, 0%
CMY	0.3451, 0.5412, 1.0000
CMYK	0.00, 0.30, 1.00, 0.35
HSL	42°, 100%, 33%
HSV	42°, 100%, 65%
XYZ	22.2980, 20.9381, 2.8627
YIQ	118.6120, 67.3570, -25.7870

Conversions

Conversions Part 2

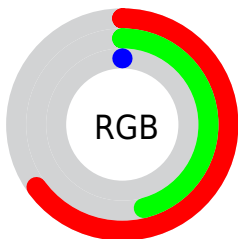
Format	Color
R_{YB}	71, 167, 0
Decimal	10974464
CIE _{Lab}	52.88, 11.47, 59.29
CIE _{LCh}	53, 60.390, 79.050
Yxy	20.9381, 0.4837, 0.4542
Android (android.graphics.Color)	4289164544 (0xFFA77500)
YUV	118.6120, -58.4757, 42.4363
Hunter-Lab	45.7582, 6.9065, 28.3214

Details

The Yxy color **20.9381, 0.4837, 0.4542** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.0716, 0.1614, 0.1008**, and the grayscale version is **18.4920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0885, 0.4539, 0.4371**, and **7.5712, 0.4993, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **20.9394, 0.4837, 0.4542**, and if you desaturate by 10%, it is **22.1755, 0.4716, 0.4548**.

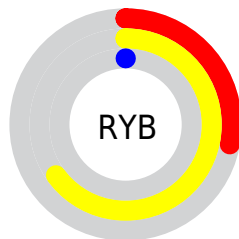
Distribution



Red (65%)

Green (46%)

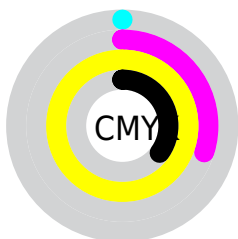
Blue (0%)



Red (28%)

Yellow (65%)

Blue (0%)

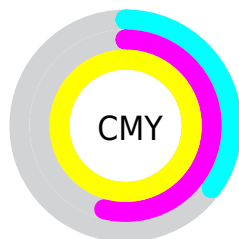


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9381, 0.4837, 0.4542 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 20.9381, 0.4837, 0.4542 by changing the saturation by 10% instead.


 20.9381, 0.4837,
0.4542


 20.9381, 0.4837,
0.4542


256.9493, 0.3960,
0.3964


 13.0788, 0.5016,
0.4622

 44.9845, 0.4536,
0.4368

 7.4828, 0.5270,
0.4730


 61.9403, 0.4415,
0.4289


 3.7658, 0.5369,
0.4631

 82.6971, 0.4311,
0.4218

 1.5435, 0.5532,
0.4468

 107.6393, 0.4221,
0.4155


 0.3190, 0.6464,
0.3536


 137.1512, 0.4142,
0.4099


 0.0000, 0.0000,
0.0000

 171.6173, 0.4074,


0.4049

 211.4218, 0.4013,
0.4004


 20.9381, 0.4837,
0.4542


 20.9381, 0.4837,
0.4542


 20.9394, 0.4837,
0.4542

 22.1755, 0.4716,
0.4548

 23.5078, 0.4573,
0.4515

 24.9508, 0.4402,
0.4435

 26.5114, 0.4214,
0.4315

 28.1956, 0.4018,
0.4166

■ 30.0089, 0.3820,
0.3997

■ 31.9561, 0.3629,
0.3818

■ 34.0418, 0.3448,
0.3637

■ 36.2703, 0.3280,
0.3460

Harmonies

Analogous

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



20.9381, 0.5245, 0.3791



20.9381, 0.4837, 0.4542



20.9381, 0.4016, 0.5192

Triad

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



20.9381, 0.4837, 0.4542



20.9381, 0.1552, 0.3099



20.9381, 0.2895, 0.1984

Complementary

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



20.9381, 0.4837, 0.4542



5.0716, 0.1614, 0.1008

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.



20.9381, 0.2027, 0.1758



20.9381, 0.4837, 0.4542



20.9381, 0.1373, 0.2219

Square

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



20.9381, 0.4837, 0.4542



20.9381, 0.2127, 0.4367



20.9381, 0.1532, 0.1814



20.9381, 0.4025, 0.2453

Rectangle

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



20.9381, 0.4837, 0.4542



20.9381, 0.3366, 0.5344



20.9381, 0.1532, 0.1814



20.9381, 0.2565, 0.1880

Sweetspot

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



20.9394, 0.4837, 0.4542



57.0318, 0.3639, 0.3828



8.4472, 0.5744, 0.2938



12.4409, 0.3716, 0.3901



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.9394, 0.4837, 0.4542



37.1227, 0.4851, 0.4531



32.6751, 0.3846, 0.5328



8.3889, 0.3269, 0.3448



16.1106, 0.4829, 0.4548



0.4749, 0.4576, 0.4749

Inverse Universe

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



5.0716, 0.1614, 0.1008



8.7654, 0.1605, 0.0979



3.1202, 0.1603, 0.0657



7.6531, 0.2986, 0.3127



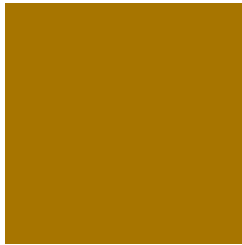
3.9574, 0.1618, 0.1025



0.1845, 0.1805, 0.1698

Previews

White Background



This preview shows how the Yxy color 20.9381, 0.4837, 0.4542 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 20.9381, 0.4837, 0.4542 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 20.9381, 0.4837, 0.4542

Background



This preview shows how black text looks on a background with the Yxy color 20.9381, 0.4837, 0.4542.



This preview shows how white text looks on a background with the Yxy color 20.9381, 0.4837, 0.4542.

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

20.9381, 0.4837, 0.4542

Protanopia

21.0403, 0.4375, 0.4852

Tritanopia

20.9923, 0.3880, 0.3170

Trichromacy



Original Color

20.9381, 0.4837, 0.4542

Protanomaly

20.8545, 0.4554, 0.4733

Tritanomaly

20.6288, 0.4417, 0.3859

Monochromacy



Original Color

20.9381, 0.4837, 0.4542

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.7129, 0.3886, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9381, 0.4837, 0.4542 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(167, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 117, 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(167, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9381, 0.4837, 0.4542 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(167, 117, 0) }
```

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

```
.border{ border-color:rgb(167, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 117,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 20.9381, 0.4837, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 117, 0) }
```

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

```
.background{ background-color: rgb(167,  
117, 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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