

Converting Colors

$Y_{xy}(20.8349, 0.4543, 0.4371)$

Have a look what the booklet for
Yxy(20.8349, 0.4543, 0.4371)
contains.

Yxy(20.9451, 0.4541, 0.4376)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9451, 0.4541, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	A1772B
RGB	161, 119, 43
RGB Percent	63%, 47%, 17%
CMY	0.3685, 0.5334, 0.8313
CMYK	0.00, 0.26, 0.73, 0.37
HSL	39°, 58%, 40%
HSV	39°, 73%, 63%
XYZ	21.7348, 20.9451, 5.1836
YIQ	122.8940, 49.4280, -14.7320

Conversions

Conversions Part 2

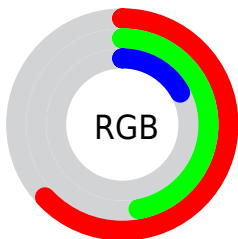
Format	Color
R_{YB}	108, 161, 43
Decimal	10581803
CIE _{Lab}	52.89, 8.82, 46.29
CIE _{LCh}	53, 47.121, 79.212
Yxy	20.9451, 0.4541, 0.4376
Android (android.graphics.Color)	4288771883 (0xFFA1772B)
YUV	122.8940, -39.3877, 33.4190
Hunter-Lab	45.7658, 4.6821, 25.3206

Details

The Yxy color **20.9451, 0.4541, 0.4376** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5920, 0.1932, 0.1735**, and the grayscale version is **19.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9762, 0.4262, 0.4190**, and **7.5097, 0.4863, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **19.5262, 0.4728, 0.4432**, and if you desaturate by 10%, it is **22.4951, 0.4335, 0.4278**.

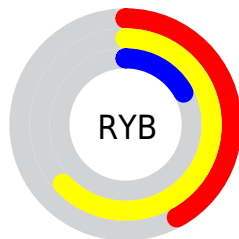
Distribution



Red (63%)

Green (47%)

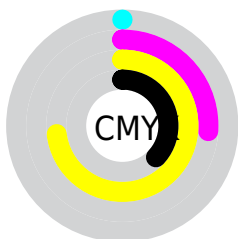
Blue (17%)



Red (42%)

Yellow (63%)

Blue (17%)

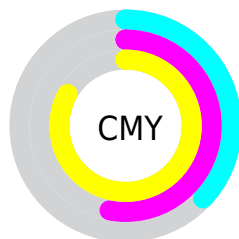


Cyan (0%)

Magenta (26%)

Yellow (73%)

Black (37%)



Cyan (37%)


Magenta (53%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9451, 0.4541, 0.4376 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 20.9451, 0.4541, 0.4376 by changing the saturation by 10% instead.


 20.9451, 0.4541,
0.4376


 20.9451, 0.4541,
0.4376


256.9866, 0.3780,
0.3828


 13.0839, 0.4725,
0.4487


 44.9961, 0.4262,
0.4188


 7.4863, 0.4948,
0.4604


 61.9548, 0.4156,
0.4112


 3.7681, 0.5257,
0.4743

 82.7146, 0.4068,
0.4047

 1.5447, 0.5385,
0.4615

 107.6601, 0.3993,
0.3991

 0.3199, 0.6188,
0.3812

 137.1757, 0.3928,
0.3942

 0.0000, 0.0000,
0.0000

 171.6457, 0.3872,

0.3899

211.4545, 0.3823,
0.3861

■ 20.9451, 0.4541,
0.4376

■ 20.9451, 0.4541,
0.4376

■ 19.5262, 0.4728,
0.4432

■ 22.4951, 0.4335,
0.4278

■ 18.2281, 0.4887,
0.4438

■ 24.1795, 0.4121,
0.4147

■ 17.4147, 0.4985,
0.4424

■ 26.0048, 0.3908,
0.3995

■ 27.9764, 0.3703,
0.3831

■ 30.0990, 0.3512,
0.3664

■ 32.3772, 0.3336,
0.3499

■ 34.8151, 0.3176,
0.3340

■ 37.4169, 0.3033,
0.3191

■ 40.1864, 0.2905,
0.3051

Harmonies

Analogous

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



20.9451, 0.4821, 0.3773



20.9451, 0.4541, 0.4376



20.9451, 0.3899, 0.4818

Triad

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



20.9451, 0.4541, 0.4376



20.9451, 0.1850, 0.3167



20.9451, 0.2962, 0.2217

Complementary

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



20.9451, 0.4541, 0.4376



9.5920, 0.1932, 0.1735

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.



20.9451, 0.2243, 0.2026



20.9451, 0.4541, 0.4376



20.9451, 0.1678, 0.2452

Square

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



20.9451, 0.4541, 0.4376



20.9451, 0.2347, 0.4106



20.9451, 0.1812, 0.2087



20.9451, 0.3845, 0.2619

Rectangle

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



20.9451, 0.4541, 0.4376



20.9451, 0.3370, 0.4869



20.9451, 0.1812, 0.2087



20.9451, 0.2694, 0.2128

Sweetspot

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



20.9461, 0.4541, 0.4376



54.2320, 0.3496, 0.3649



9.9848, 0.4649, 0.2690



11.6778, 0.3542, 0.3691



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.



20.9461, 0.4541, 0.4376



33.4546, 0.4833, 0.4441



31.7194, 0.3909, 0.4977



7.8107, 0.3270, 0.3434



13.9826, 0.4976, 0.4431



0.3780, 0.4631, 0.4705

Inverse Universe

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



9.5920, 0.1932, 0.1735



12.2353, 0.1741, 0.1363



5.2248, 0.1871, 0.1076



7.2536, 0.2987, 0.3141



4.4906, 0.1659, 0.1172



0.1812, 0.1863, 0.1908

Previews

White Background



This preview shows how the Yxy color 20.9451, 0.4541, 0.4376 looks on a white background.

Color Contrast Check

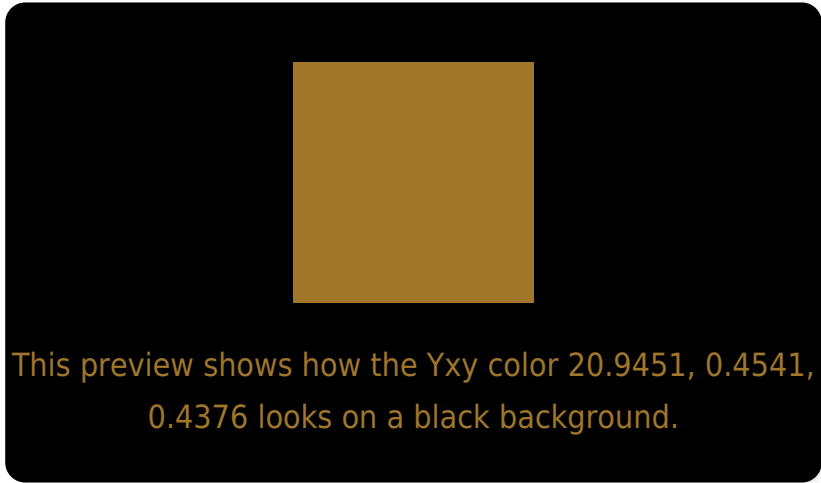
Large Text (above 18pt) WCAG AA ✓ Pass

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

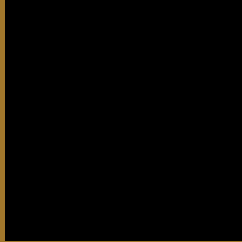
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9451, 0.4541, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 20.9451, 0.4541, 0.4376.



This preview shows how white text looks on a background with the Yxy color 20.9451, 0.4541, 0.4376.

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

20.9451, 0.4541, 0.4376

Protanopia

21.0309, 0.4176, 0.4610

Deuteranopia

20.8765, 0.4491, 0.4411



Tritanopia

20.8319, 0.3751, 0.3151

Trichromacy



Original Color

20.9451, 0.4541, 0.4376

Protanomaly

20.8931, 0.4308, 0.4529

Deuteranomaly

20.9783, 0.4503, 0.4404

Tritanomaly

20.6998, 0.4091, 0.3641

Monochromacy



Original Color

20.9451, 0.4541, 0.4376

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.0456, 0.3656, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9451, 0.4541, 0.4376 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(161, 119, 43)` looks like.

```
.text, #text, p{  
    color:rgb(161, 119, 43)  
}
```

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(161, 119, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 119, 43) }
```

Border

The CSS property to change the border of an element to Yxy 20.9451, 0.4541, 0.4376 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(161, 119, 43) }
```

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

```
.border{ border-color:rgb(161, 119, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 119, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 119, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 119, 43);  
box-shadow:4px 4px 4px 4px rgb(161, 119,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9451, 0.4541, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 119, 43) }
```

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

```
.background{ background-color: rgb(161,  
119, 43) }
```

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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